

<110> INCYTE CORPORATION  
ELLIOTT, Vicki S.  
KHARE, Reena  
EMERLING, Brooke M.  
KABLE, Amy E.  
TRAN, Uyen K.  
JIN, Pei  
BECHA, Shanya D.  
MARQUIS, Joseph P.  
SWARNAKAR, Anita  
CHAWLA, Narinder K.  
RAMKUMAR, Jayalaxmi  
HAFALIA, April J.A.  
LEE, Soo Yeun  
JIANG, Xin  
JACKSON, Alan A.  
RICHARDSON, Thomas W.  
BLAKE, Julie J.  
WANG, Jonathan T.  
CHIEN, David  
YANG, Yonghong G.

<120> CELL ADHESION AND EXTRACELLULAR MATRIX PROTEINS

<130> PF-1500 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/403,781

<151> 2002-08-13

<150> US 60/407,034

<151> 2002-08-30

<150> US 60/410,566

<151> 2002-09-13

<150> US 60/413,482

<151> 2002-09-24

<150> US 60/413,890

<151> 2002-09-25

<150> US 60/424,904

<151> 2002-11-08

<150> US 60/426,222

<151> 2002-11-13

<160> 84

<170> PERL Program

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<212> PRT

&lt;213&gt; Homo sapiens

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&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513225CD1

&lt;400&gt; 1

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Leu His Pro Asp Glu Leu Phe Pro His Gly Glu Ser Trp Gly Asp
          35          40          45
Gln Leu Leu Gln Glu Gly Asp Asp Glu Ser Ser Ala Val Val Lys
          50          55          60
Leu Ala Asn Pro Leu His Phe Tyr Glu Ala Arg Phe Ser Asn Leu
          65          70          75
Tyr Val Gly Thr Asn Gly Ile Ile Ser Thr Gln Asp Phe Pro Arg
          80          85          90
Glu Thr Gln Tyr Val Asp Tyr Asp Phe Pro Thr Asp Phe Pro Ala
          95          100          105
Ile Ala Pro Phe Leu Ala Asp Ile Asp Thr Ser His Gly Arg Gly
          110          115          120
Arg Val Leu Tyr Arg Glu Asp Thr Ser Pro Ala Val Leu Gly Leu
          125          130          135
Ala Ala Arg Tyr Val Arg Ala Gly Phe Pro Arg Ser Ala Arg Phe
          140          145          150
Thr Pro Thr His Ala Phe Leu Ala Thr Trp Glu Gln Val Gly Ala
          155          160          165
Tyr Glu Glu Val Lys Arg Gly Ala Leu Pro Ser Gly Glu Leu Asn
          170          175          180
Thr Phe Gln Ala Val Leu Ala Ser Asp Gly Ser Asp Ser Tyr Ala
          185          190          195
Leu Phe Leu Tyr Pro Ala Asn Gly Leu Gln Phe Leu Gly Thr Arg
          200          205          210
Pro Lys Glu Ser Tyr Asn Val Gln Leu Gln Leu Pro Ala Arg Val
          215          220          225
Gly Phe Cys Arg Gly Glu Ala Asp Asp Leu Lys Ser Glu Gly Pro
          230          235          240
Tyr Phe Ser Leu Thr Ser Thr Glu Gln Ser Val Lys Asn Leu Tyr
          245          250          255
Gln Leu Ser Asn Leu Gly Ile Pro Gly Val Trp Ala Phe His Ile
          260          265          270
Gly Ser Thr Ser Pro Leu Asp Asn Val Arg Pro Ala Ala Val Gly
          275          280          285
Asp Leu Ser Ala Ala His Ser Ser Val Pro Leu Gly Arg Ser Phe
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Ser His Ala Thr Ala Leu Glu Ser Asp Tyr Asn Glu Asp Asn Leu
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Asp Tyr Tyr Asp Val Asn Glu Glu Glu Ala Glu Tyr Leu Pro Gly
          320          325          330
Glu Pro Glu Glu Ala Leu Asn Gly His Ser Ser Ile Asp Val Ser
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Phe Gln Ser Lys Val Asp Thr Lys Pro Leu Glu Glu Ser Ser Thr
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Leu Asp Pro His Thr Lys Glu Gly Thr Ser Leu Gly Glu Val Gly

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Pro Ser Trp Glu	Thr Pro Pro Pro Tyr	Pro Glu Asn Gly Ser	Ile		
	410		415		420
Gln Pro Tyr Pro	Asp Gly Gly Pro Val	Pro Ser Glu Met Asp	Val		
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Pro Pro Ala His	Pro Glu Glu Glu Ile	Val Leu Arg Ser Tyr	Pro		
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Ala Ser Asp His	Thr Thr Pro Leu Ser	Arg Gly Thr Tyr Glu	Val		
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Gly Leu Glu Asp	Asn Ile Gly Ser Asn	Thr Glu Val Phe Thr	Tyr		
	470		475		480
Asn Ala Ala Asn	Lys Glu Thr Cys Glu	His Asn His Arg Gln	Cys		
	485		490		495
Ser Arg His Ala	Phe Cys Thr Asp Tyr	Ala Thr Gly Phe Cys	Cys		
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His Cys Gln Ser	Lys Phe Tyr Gly Asn	Gly Lys His Cys Leu	Pro		
	515		520		525
Glu Gly Ala Pro	His Arg Val Asn Gly	Lys Val Ser Gly His	Leu		
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His Val Gly His	Thr Pro Val His Phe	Thr Asp Val Asp Leu	His		
	545		550		555
Ala Tyr Ile Val	Gly Asn Asp Gly Arg	Ala Tyr Thr Ala Ile	Ser		
	560		565		570
His Ile Pro Gln	Pro Ala Ala Gln Ala	Leu Leu Pro Leu Thr	Pro		
	575		580		585
Ile Gly Gly Leu	Phe Gly Trp Leu Phe	Ala Leu Glu Lys Pro	Gly		
	590		595		600
Ser Glu Asn Gly	Phe Ser Leu Ala Gly	Ala Ala Phe Thr His	Asp		
	605		610		615
Met Glu Val Thr	Phe Tyr Pro Gly Glu	Glu Thr Val Arg Ile	Thr		
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Gln Thr Ala Glu	Gly Leu Asp Pro Glu	Asn Tyr Leu Ser Ile	Lys		
	635		640		645
Thr Asn Ile Gln	Gly Gln Val Pro Tyr	Val Pro Ala Asn Phe	Thr		
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Ala His Ile Ser	Pro Tyr Lys Glu Leu	Tyr His Tyr Ser Asp	Ser		
	665		670		675
Thr Val Thr Ser	Thr Ser Ser Arg Asp	Tyr Ser Leu Thr Phe	Gly		
	680		685		690
Ala Ile Asn Gln	Thr Trp Ser Tyr Arg	Ile His Gln Asn Ile	Thr		
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Tyr Gln Val Cys	Arg His Ala Pro Arg	His Pro Ser Phe Pro	Thr		
	710		715		720
Thr Gln Gln Leu	Asn Val Asp Arg Val	Phe Ala Leu Tyr Asn	Asp		
	725		730		735
Glu Glu Arg Val	Leu Arg Phe Ala Val	Thr Asn Gln Ile Gly	Pro		
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Val Lys Glu Asp	Ser Asp Pro Thr Pro	Val Asn Pro Cys Tyr	Asp		
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Gly Ser His Met	Cys Asp Thr Thr Ala	Arg Cys His Pro Gly	Thr		
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Gly Val Asp Tyr	Thr Cys Glu Cys Ala	Ser Gly Tyr Gln Gly	Asp		

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Arg Cys Gly Pro Asn Ser Val Cys Ile Asn Leu Pro Gly Ser Tyr					
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Arg Cys Glu Cys Arg Ser Gly Tyr Glu Phe Ala Asp Asp Arg His					
	830		835		840
Thr Cys Ile Tyr Val Asp Glu Cys Ser Glu Asn Arg Cys His Pro					
	845		850		855
Ala Ala Thr Cys Tyr Asn Thr Pro Gly Ser Phe Ser Cys Arg Cys					
	860		865		870
Gln Pro Gly Tyr Tyr Gly Asp Gly Phe Gln Cys Ile Pro Asp Ser					
	875		880		885
Thr Ser Ser Leu Thr Pro Cys Glu Gln Gln Gln Arg His Ala Gln					
	890		895		900
Ala Gln Tyr Ala Tyr Pro Gly Ala Arg Phe His Ile Pro Gln Cys					
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Asp Glu Gln Gly Asn Phe Leu Pro Leu Gln Cys His Gly Ser Thr					
	920		925		930
Gly Phe Cys Trp Cys Val Asp Pro Asp Gly His Glu Val Pro Gly					
	935		940		945
Thr Gln Thr Pro Pro Gly Ser Thr Pro Pro His Cys Gly Pro Ser					
	950		955		960
Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile Cys Glu Arg Trp Arg					
	965		970		975
Glu Asn Leu Leu Glu His Tyr Gly Gly Thr Pro Arg Asp Asp Gln					
	980		985		990
Tyr Val Pro Gln Cys Asp Asp Leu Gly His Phe Ile Pro Leu Gln					
	995		1000		1005
Cys His Gly Lys Ser Asp Phe Cys Trp Cys Val Asp Lys Asp Gly					
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Arg Glu Val Gln Gly Thr Arg Ser Gln Pro Gly Thr Thr Pro Ala					
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Cys Ile Pro Thr Val Ala Pro Pro Met Val Arg Pro Thr Pro Arg					
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Pro Asp Val Thr Pro Pro Ser Val Gly Thr Phe Leu Leu Tyr Thr					
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Gln Gly Gln Gln Ile Gly Tyr Leu Pro Leu Asn Gly Thr Arg Leu					
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Gln Lys Asp Ala Ala Lys Thr Leu Leu Ser Leu His Gly Ser Ile					
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Thr Asp Val Ala Gly Arg Thr Ile Ser Arg Ala Gly Leu Glu Leu					
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Gly Ala Glu Pro Glu Thr Ile Val Asn Ser Gly Leu Ile Ser Pro					
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Glu Gly Leu Ala Ile Asp His Ile Arg Arg Thr Met Tyr Trp Thr					
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Asp Ser Val Leu Asp Lys Ile Glu Ser Ala Leu Leu Asp Gly Ser					
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Glu Arg Lys Val Leu Phe Tyr Thr Asp Leu Val Asn Pro Arg Ala					
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Ile Ala Val Asp Pro Ile Arg Gly Asn Leu Tyr Trp Thr Asp Trp					
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Leu Thr Phe Asp Pro Phe Ser Lys Leu Leu Cys Trp Ala Asp Ala		
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Gly Thr Lys Lys Leu Glu Cys Thr Leu Pro Asp Gly Thr Gly Arg		
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Val Ser Val Asn Lys His Ser Gly Gln Phe Thr Asp Glu Tyr Leu		
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Pro Glu Gln Arg Ser His Leu Tyr Gly Ile Thr Ala Val Tyr Pro		
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Tyr Cys Pro Thr Gly Arg Lys		
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&lt;211&gt; 2110

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513288CD1

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His Lys Arg Gln Ser Gly Val Asn Ala Thr Leu Pro Glu Glu Asn		
35 40 45		
Gln Pro Val Val Phe Asn His Val Tyr Asn Ile Lys Leu Pro Val		
50 55 60		
Gly Ser Gln Cys Ser Val Asp Leu Glu Ser Ala Ser Gly Glu Lys		
65 70 75		
Asp Leu Ala Pro Pro Ser Glu Pro Ser Glu Ser Phe Gln Glu His		
80 85 90		
Thr Val Asp Gly Glu Asn Gln Ile Val Phe Thr His Arg Ile Asn		
95 100 105		
Ile Pro Arg Arg Ala Cys Gly Cys Ala Ala Ala Pro Asp Val Lys		
110 115 120		
Glu Leu Leu Ser Arg Leu Glu Glu Leu Glu Asn Leu Val Ser Ser		
125 130 135		
Leu Arg Glu Gln Cys Thr Ala Gly Ala Gly Cys Cys Leu Gln Pro		
140 145 150		
Ala Thr Gly Arg Leu Asp Thr Arg Pro Phe Cys Ser Gly Arg Gly		
155 160 165		
Asn Phe Ser Thr Glu Gly Cys Gly Cys Val Cys Glu Pro Gly Trp		
170 175 180		
Lys Gly Pro Asn Cys Ser Glu Pro Glu Cys Pro Gly Asn Cys His		
185 190 195		
Leu Arg Gly Arg Cys Ile Asp Gly Gln Cys Ile Cys Asp Asp Gly		
200 205 210		

Phe Thr Gly Glu Asp Cys Ser Gln Leu Ala Cys Pro Ser Asp Cys	215	220	225
Asn Asp Gln Gly Lys Cys Val Asn Gly Val Cys Ile Cys Phe Glu	230	235	240
Gly Tyr Ala Gly Ala Asp Cys Ser Arg Glu Ile Cys Pro Val Pro	245	250	255
Cys Ser Glu Glu His Gly Thr Cys Val Asp Gly Leu Cys Val Cys	260	265	270
His Asp Gly Phe Ala Gly Asp Asp Cys Asn Lys Pro Leu Cys Leu	275	280	285
Asn Asn Cys Tyr Asn Arg Gly Arg Cys Val Glu Asn Glu Cys Val	290	295	300
Cys Asp Glu Gly Phe Thr Gly Glu Asp Cys Ser Glu Leu Ile Cys	305	310	315
Pro Asn Asp Cys Phe Asp Arg Gly Arg Cys Ile Asn Gly Thr Cys	320	325	330
Tyr Cys Glu Glu Gly Phe Thr Gly Glu Asp Cys Gly Lys Pro Thr	335	340	345
Cys Pro His Ala Cys His Thr Gln Gly Arg Cys Glu Glu Gly Gln	350	355	360
Cys Val Cys Asp Glu Gly Phe Ala Gly Val Asp Cys Ser Glu Lys	365	370	375
Arg Cys Pro Ala Asp Cys His Asn Arg Gly Arg Cys Val Asp Gly	380	385	390
Arg Cys Glu Cys Asp Asp Gly Phe Thr Gly Ala Asp Cys Gly Glu	395	400	405
Leu Lys Cys Pro Asn Gly Cys Ser Gly His Gly Arg Cys Val Asn	410	415	420
Gly Gln Cys Val Cys Asp Glu Gly Tyr Thr Gly Glu Asp Cys Ser	425	430	435
Gln Leu Arg Cys Pro Asn Asp Cys His Ser Arg Gly Arg Cys Val	440	445	450
Glu Gly Lys Cys Val Cys Glu Gln Gly Phe Lys Gly Tyr Asp Cys	455	460	465
Ser Asp Ile Ser Cys Pro Asn Asp Cys His Gln His Gly Arg Cys	470	475	480
Val Asn Gly Met Cys Val Cys Asp Asp Gly Tyr Thr Gly Glu Asp	485	490	495
Cys Arg Asp Arg Gln Cys Pro Arg Asp Cys Ser Asn Arg Gly Leu	500	505	510
Cys Val Asp Gly Gln Cys Val Cys Glu Asp Gly Phe Thr Gly Pro	515	520	525
Asp Cys Ala Glu Leu Ser Cys Pro Asn Asp Cys His Gly Arg Gly	530	535	540
Arg Cys Val Asn Gly Gln Cys Val Cys His Glu Gly Phe Met Gly	545	550	555
Lys Asp Cys Lys Glu Gln Arg Cys Pro Ser Asp Cys His Gly Gln	560	565	570
Gly Arg Cys Val Asp Gly Gln Cys Ile Cys His Glu Gly Phe Thr	575	580	585
Gly Leu Asp Cys Gly Gln His Ser Cys Pro Ser Asp Cys Asn Asn	590	595	600
Leu Gly Gln Cys Val Ser Gly Arg Cys Ile Cys Asn Glu Gly Tyr	605	610	615
Ser Gly Glu Asp Cys Ser Glu Val Ser Pro Pro Lys Asp Leu Val	620	625	630

Val Thr Glu Val	Thr Glu Glu Thr Val	Asn Leu Ala Trp Asp Asn
635	640	645
Glu Met Arg Val	Thr Glu Tyr Leu Val	Val Tyr Thr Pro Thr His
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Glu Gly Gly Leu	Glu Met Gln Phe Arg Val	Pro Gly Asp Gln Thr
665	670	675
Ser Thr Ile Ile	Gln Glu Leu Glu Pro	Gly Val Glu Tyr Phe Ile
680	685	690
Arg Val Phe Ala	Ile Leu Glu Asn Lys	Lys Ser Ile Pro Val Ser
695	700	705
Ala Arg Val Ala	Thr Tyr Leu Pro Ala	Pro Glu Gly Leu Lys Phe
710	715	720
Lys Ser Ile Lys	Glu Thr Ser Val Glu	Val Glu Trp Asp Pro Leu
725	730	735
Asp Ile Ala Phe	Glu Thr Trp Glu Ile	Ile Phe Arg Asn Met Asn
740	745	750
Lys Glu Asp Glu	Gly Glu Ile Thr Lys	Ser Leu Arg Arg Pro Glu
755	760	765
Thr Ser Tyr Arg	Gln Thr Gly Leu Ala	Pro Gly Gln Glu Tyr Glu
770	775	780
Ile Ser Leu His	Ile Val Lys Asn Asn	Thr Arg Gly Pro Gly Leu
785	790	795
Lys Arg Val Thr	Thr Thr Arg Leu Asp	Ala Pro Ser Gln Ile Glu
800	805	810
Val Lys Asp Val	Thr Asp Thr Thr Ala	Leu Ile Thr Trp Phe Lys
815	820	825
Pro Leu Ala Glu	Ile Asp Gly Ile Glu	Leu Thr Tyr Gly Ile Lys
830	835	840
Asp Val Pro Gly	Asp Arg Thr Thr Ile	Asp Leu Thr Glu Asp Glu
845	850	855
Asn Gln Tyr Ser	Ile Gly Asn Leu Lys	Pro Asp Thr Glu Tyr Glu
860	865	870
Val Ser Leu Ile	Ser Arg Arg Gly Asp	Met Ser Ser Asn Pro Ala
875	880	885
Lys Glu Thr Phe	Thr Thr Gly Leu Asp	Ala Pro Arg Asn Leu Arg
890	895	900
Arg Val Ser Gln	Thr Asp Asn Ser Ile	Thr Leu Glu Trp Arg Asn
905	910	915
Gly Lys Ala Ala	Ile Asp Ser Tyr Arg	Ile Lys Tyr Ala Pro Ile
920	925	930
Ser Gly Gly Asp	His Ala Glu Val Asp	Val Pro Lys Ser Gln Gln
935	940	945
Ala Thr Thr Lys	Thr Thr Leu Thr Gly	Leu Arg Pro Gly Thr Glu
950	955	960
Tyr Gly Ile Gly	Val Ser Ala Val Lys	Glu Asp Lys Glu Ser Asn
965	970	975
Pro Ala Thr Ile	Asn Ala Ala Thr Glu	Leu Asp Thr Pro Lys Asp
980	985	990
Leu Gln Val Ser	Glu Thr Ala Glu Thr	Ser Leu Thr Leu Leu Trp
995	1000	1005
Lys Thr Pro Leu	Ala Lys Phe Asp Arg	Tyr Arg Leu Asn Tyr Ser
1010	1015	1020
Leu Pro Thr Gly	Gln Trp Val Gly Val	Gln Leu Pro Arg Asn Thr
1025	1030	1035
Thr Ser Tyr Val	Leu Arg Gly Leu Glu	Pro Gly Gln Glu Tyr Asn
1040	1045	1050

Val Leu Leu Thr Ala Glu Lys Gly Arg His Lys Ser Lys Pro Ala	1055	1060	1065
Arg Val Lys Ala Ser Thr Glu Arg Ala Pro Glu Leu Glu Asn Leu	1070	1075	1080
Thr Val Thr Glu Val Gly Trp Asp Gly Leu Arg Leu Asn Trp Thr	1085	1090	1095
Ala Ala Asp Gln Ala Tyr Glu His Phe Ile Ile Gln Val Gln Glu	1100	1105	1110
Ala Asn Lys Val Glu Ala Ala Arg Asn Leu Thr Val Pro Gly Ser	1115	1120	1125
Leu Arg Ala Val Asp Ile Pro Gly Leu Lys Ala Ala Thr Pro Tyr	1130	1135	1140
Thr Val Ser Ile Tyr Gly Ser Phe Gln Gly Tyr Arg Thr Pro Val	1145	1150	1155
Leu Ser Ala Glu Ala Ser Thr Gly Glu Thr Pro Asn Leu Gly Glu	1160	1165	1170
Val Val Val Ala Glu Val Gly Trp Asp Ala Leu Lys Leu Asn Trp	1175	1180	1185
Thr Ala Pro Glu Gly Ala Tyr Glu Tyr Phe Phe Ile Gln Val Gln	1190	1195	1200
Glu Ala Asp Thr Val Glu Ala Ala Gln Asn Leu Thr Val Pro Gly	1205	1210	1215
Gly Leu Arg Ser Thr Asp Leu Pro Gly Leu Lys Ala Ala Thr His	1220	1225	1230
Tyr Thr Ile Thr Ile Arg Gly Val Thr Gln Asp Phe Ser Thr Thr	1235	1240	1245
Pro Leu Ser Val Glu Val Leu Thr Glu Asp Leu Pro Gln Leu Gly	1250	1255	1260
Asp Leu Ala Val Ser Glu Val Gly Trp Asp Gly Leu Arg Leu Asn	1265	1270	1275
Trp Thr Ala Ala Asp Asn Ala Tyr Glu His Phe Val Ile Gln Val	1280	1285	1290
Gln Glu Val Asn Lys Val Glu Ala Ala Gln Asn Leu Thr Leu Pro	1295	1300	1305
Gly Ser Leu Arg Ala Val Asp Ile Pro Gly Leu Glu Ala Ala Thr	1310	1315	1320
Pro Tyr Arg Val Ser Ile Tyr Gly Val Ile Arg Gly Tyr Arg Thr	1325	1330	1335
Pro Val Leu Ser Ala Glu Ala Ser Thr Ala Lys Glu Pro Glu Ile	1340	1345	1350
Gly Asn Leu Asn Val Ser Asp Ile Thr Pro Glu Ser Phe Asn Leu	1355	1360	1365
Ser Trp Met Ala Thr Asp Gly Ile Phe Glu Thr Phe Thr Ile Glu	1370	1375	1380
Ile Ile Asp Ser Asn Arg Leu Leu Glu Thr Val Glu Tyr Asn Ile	1385	1390	1395
Ser Gly Ala Glu Arg Thr Ala His Ile Ser Gly Leu Pro Pro Ser	1400	1405	1410
Thr Asp Phe Ile Val Tyr Leu Ser Gly Leu Ala Pro Ser Ile Arg	1415	1420	1425
Thr Lys Thr Ile Ser Ala Thr Ala Thr Thr Glu Ala Leu Pro Leu	1430	1435	1440
Leu Glu Asn Leu Thr Ile Ser Asp Ile Asn Pro Tyr Gly Phe Thr	1445	1450	1455
Val Ser Trp Met Ala Ser Glu Asn Ala Phe Asp Ser Phe Leu Val	1460	1465	1470



Thr Val Val Asp Ser Gly Lys Leu Leu Asp Pro Gln Glu Phe Thr	1475	1480	1485
Leu Ser Gly Thr Gln Arg Lys Leu Glu Leu Arg Gly Leu Ile Thr	1490	1495	1500
Gly Ile Gly Tyr Glu Val Met Val Ser Gly Phe Thr Gln Gly His	1505	1510	1515
Gln Thr Lys Pro Leu Arg Ala Glu Ile Val Thr Glu Ala Glu Pro	1520	1525	1530
Glu Val Asp Asn Leu Leu Val Ser Asp Ala Thr Pro Asp Gly Phe	1535	1540	1545
Arg Leu Ser Trp Thr Ala Asp Glu Gly Val Phe Asp Asn Phe Val	1550	1555	1560
Leu Lys Ile Arg Asp Thr Lys Lys Gln Ser Glu Pro Leu Glu Ile	1565	1570	1575
Thr Leu Leu Ala Pro Glu Arg Thr Arg Asp Ile Thr Gly Leu Arg	1580	1585	1590
Glu Ala Thr Glu Tyr Glu Ile Glu Leu Tyr Gly Ile Ser Lys Gly	1595	1600	1605
Arg Arg Ser Gln Thr Val Ser Ala Ile Ala Thr Thr Ala Met Gly	1610	1615	1620
Ser Pro Lys Glu Val Ile Phe Ser Asp Ile Thr Glu Asn Ser Ala	1625	1630	1635
Thr Val Ser Trp Arg Ala Pro Thr Ala Gln Val Glu Ser Phe Arg	1640	1645	1650
Ile Thr Tyr Val Pro Ile Thr Gly Gly Thr Pro Ser Met Val Thr	1655	1660	1665
Val Asp Gly Thr Lys Thr Gln Thr Arg Leu Val Lys Leu Ile Pro	1670	1675	1680
Gly Val Glu Tyr Leu Val Ser Ile Ile Ala Met Lys Gly Phe Glu	1685	1690	1695
Glu Ser Glu Pro Val Ser Gly Ser Phe Thr Thr Ala Leu Asp Gly	1700	1705	1710
Pro Ser Gly Leu Val Thr Ala Asn Ile Thr Asp Ser Glu Ala Leu	1715	1720	1725
Ala Arg Trp Gln Pro Ala Ile Ala Thr Val Asp Ser Tyr Val Ile	1730	1735	1740
Ser Tyr Thr Gly Glu Lys Val Pro Glu Ile Thr Arg Thr Val Ser	1745	1750	1755
Gly Asn Thr Val Glu Tyr Ala Leu Thr Asp Leu Glu Pro Ala Thr	1760	1765	1770
Glu Tyr Thr Leu Arg Ile Phe Ala Glu Lys Gly Pro Gln Lys Ser	1775	1780	1785
Ser Thr Ile Thr Ala Lys Phe Thr Thr Asp Leu Asp Ser Pro Arg	1790	1795	1800
Asp Leu Thr Ala Thr Glu Val Gln Ser Glu Thr Ala Leu Leu Thr	1805	1810	1815
Trp Arg Pro Pro Arg Ala Ser Val Thr Gly Tyr Leu Leu Val Tyr	1820	1825	1830
Glu Ser Val Asp Gly Thr Val Lys Glu Val Ile Val Gly Pro Asp	1835	1840	1845
Thr Thr Ser Tyr Ser Leu Ala Asp Leu Ser Pro Ser Thr His Tyr	1850	1855	1860
Thr Ala Lys Ile Gln Ala Leu Asn Gly Pro Leu Arg Ser Asn Met	1865	1870	1875
Ile Gln Thr Ile Phe Thr Thr Ile Gly Leu Leu Tyr Pro Phe Pro	1880	1885	1890

Lys	Asp	Cys	Ser	Gln	Ala	Met	Leu	Asn	Gly	Asp	Thr	Thr	Ser	Gly
				1895					1900					1905
Leu	Tyr	Thr	Ile	Tyr	Leu	Asn	Gly	Asp	Lys	Ala	Glu	Ala	Leu	Glu
				1910					1915					1920
Val	Phe	Cys	Asp	Met	Thr	Ser	Asp	Gly	Gly	Gly	Trp	Ile	Val	Phe
				1925					1930					1935
Leu	Arg	Arg	Lys	Asn	Gly	Arg	Glu	Asn	Phe	Tyr	Gln	Asn	Trp	Lys
				1940					1945					1950
Ala	Tyr	Ala	Ala	Gly	Phe	Gly	Asp	Arg	Arg	Glu	Glu	Phe	Trp	Leu
				1955					1960					1965
Gly	Leu	Asp	Asn	Leu	Asn	Lys	Ile	Thr	Ala	Gln	Gly	Gln	Tyr	Glu
				1970					1975					1980
Leu	Arg	Val	Asp	Leu	Arg	Asp	His	Gly	Glu	Thr	Ala	Phe	Ala	Val
				1985					1990					1995
Tyr	Asp	Lys	Phe	Ser	Val	Gly	Asp	Ala	Lys	Thr	Arg	Tyr	Lys	Leu
				2000					2005					2010
Lys	Val	Glu	Gly	Tyr	Ser	Gly	Thr	Ala	Gly	Asp	Ser	Met	Ala	Tyr
				2015					2020					2025
His	Asn	Gly	Arg	Ser	Phe	Ser	Thr	Phe	Asp	Lys	Asp	Thr	Asp	Ser
				2030					2035					2040
Ala	Ile	Thr	Asn	Cys	Ala	Leu	Ser	Tyr	Lys	Gly	Ala	Phe	Trp	Tyr
				2045					2050					2055
Arg	Asn	Cys	His	Arg	Val	Asn	Leu	Met	Gly	Arg	Tyr	Gly	Asp	Asn
				2060					2065					2070
Asn	His	Ser	Gln	Gly	Val	Asn	Trp	Phe	His	Trp	Lys	Gly	His	Glu
				2075					2080					2085
His	Ser	Ile	Gln	Phe	Ala	Glu	Met	Lys	Leu	Arg	Pro	Ser	Asn	Phe
				2090					2095					2100
Arg	Asn	Leu	Glu	Gly	Arg	Arg	Lys	Arg	Ala					
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&lt;210&gt; 3

&lt;211&gt; 393

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513607CD1

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Met	Val	Pro	Ser	Ser	Pro	Arg	Ala	Leu	Phe	Leu	Leu	Leu	Leu	Ile
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				20					25					30
Gln	Gln	Leu	Leu	Ser	Ala	Ile	Arg	Gln	Leu	Gln	Gln	Leu	Leu	Lys
				35					40					45
Gly	Gln	Glu	Thr	Arg	Phe	Ala	Glu	Gly	Ile	Arg	His	Met	Lys	Ser
				50					55					60
Arg	Leu	Ala	Ala	Leu	Gln	Asn	Ser	Val	Gly	Arg	Val	Gly	Pro	Asp
				65					70					75
Ala	Leu	Pro	Val	Ser	Cys	Pro	Ala	Leu	Asn	Thr	Pro	Ala	Asp	Gly
				80					85					90
Arg	Lys	Phe	Gly	Ser	Lys	Tyr	Leu	Val	Asp	His	Glu	Val	His	Phe
				95					100					105
Thr	Cys	Asn	Pro	Gly	Phe	Arg	Leu	Val	Gly	Pro	Ser	Ser	Val	Val

	110		115		120
Cys	Leu	Pro	Asn	Gly	Thr
	125		130		135
Gly	Ile	Ser	Glu	Cys	Ser
	140		145		150
Cys	Val	Glu	Gly	Val	Asn
	155		160		165
Arg	Thr	Gly	Asn	Arg	Cys
	170		175		180
Glu	Gly	Ser	Val	Ala	Gly
	185		190		195
Cys	Ala	Gln	Val	Glu	Arg
	200		205		210
Phe	His	Leu	Ser	Gly	Ala
	215		220		225
Asp	Glu	Cys	Val	Gly	Leu
	230		235		240
Cys	Ile	Asn	Thr	Gly	Gly
	245		250		255
Pro	Glu	Gly	Ser	Gly	Asn
	260		265		270
Gln	Cys	Glu	Arg	Asn	Pro
	275		280		285
His	Leu	Pro	Lys	Thr	Ile
	290		295		300
Asn	Leu	Lys	Thr	Pro	Ile
	305		310		315
Ala	Pro	Gly	Arg	Ala	Gly
	320		325		330
Gly	Gly	Asn	Ser	Arg	Gly
	335		340		345
Gln	Thr	Gly	Asp	Leu	Ile
	350		355		360
Thr	Leu	Glu	Val	Asp	Val
	365		370		375
Phe	Gln	Ala	Asn	His	Val
	380		385		390
Tyr	Asp	Phe			

&lt;210&gt; 4

&lt;211&gt; 148

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513991CD1

&lt;400&gt; 4

Met	Ser	Leu	Leu	Gly	Pro	Lys	Val	Leu	Leu	Phe	Leu	Ala	Ala	Phe
1				5						10				15
Ile	Ile	Thr	Ser	Asp	Trp	Ile	Pro	Leu	Gly	Val	Asn	Ser	Gln	Arg
				20						25				30
Gly	Asp	Asp	Val	Thr	Gln	Ala	Thr	Pro	Glu	Thr	Phe	Thr	Glu	Asp
				35						40				45

```

Pro Asn Leu Val Asn Asp Pro Ala Thr Asp Glu Thr Glu Cys Trp
      50                      55                      60
Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser Val His Arg Pro
      65                      70                      75
Val Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg Arg
      80                      85                      90
Met Tyr Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val Cys Lys
      95                      100                     105
Glu His Glu Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala Gly
      110                     115                     120
Leu Pro Pro Arg Arg Leu Arg Arg Ser Asn Tyr Phe Arg Leu Pro
      125                     130                     135
Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu
      140                     145

```

&lt;210&gt; 5

&lt;211&gt; 343

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513298CD1

&lt;400&gt; 5

```

Met Pro Arg Pro Arg Leu Leu Ala Ala Leu Cys Gly Ala Leu Leu
 1                      5                      10                      15
Cys Ala Pro Ser Leu Leu Val Ala Leu Glu Cys Val Glu Pro Leu
      20                      25                      30
Gly Leu Glu Asn Gly Asn Ile Ala Asn Ser Gln Ile Ala Ala Ser
      35                      40                      45
Ser Val Arg Val Thr Phe Leu Gly Leu Gln His Trp Val Pro Glu
      50                      55                      60
Leu Ala Arg Leu Asn Arg Ala Gly Met Val Asn Ala Trp Thr Pro
      65                      70                      75
Ser Ser Asn Asp Asp Asn Pro Trp Ile Gln Val Asn Leu Leu Arg
      80                      85                      90
Arg Met Trp Val Thr Gly Val Val Thr Gln Gly Ala Ser Arg Leu
      95                      100                     105
Ala Ser His Glu Tyr Leu Lys Ala Phe Lys Val Ala Tyr Ser Leu
      110                     115                     120
Asn Gly His Glu Phe Asp Phe Ile His Asp Val Asn Lys Lys His
      125                     130                     135
Lys Glu Phe Val Gly Asn Trp Asn Lys Asn Ala Val His Val Asn
      140                     145                     150
Leu Phe Glu Thr Pro Val Glu Ala Gln Tyr Val Arg Leu Tyr Pro
      155                     160                     165
Thr Ser Cys His Thr Ala Cys Thr Leu Arg Phe Glu Leu Leu Gly
      170                     175                     180
Cys Glu Leu Asn Gly Cys Ala Asn Pro Leu Gly Leu Lys Asn Asn
      185                     190                     195
Ser Ile Pro Asp Lys Gln Ile Thr Ala Ser Ser Ser Tyr Lys Thr
      200                     205                     210
Trp Gly Leu His Leu Phe Ser Trp Asn Pro Ser Tyr Ala Arg Leu
      215                     220                     225
Asp Lys Gln Gly Asn Phe Asn Ala Trp Val Ala Gly Ser Tyr Gly

```

	230		235		240
Asn Asp Gln Trp	Leu Gln Val Asp Leu	Gly Ser Ser Lys Glu Val			
	245		250		255
Thr Gly Ile Ile	Thr Gln Gly Ala Arg	Asn Phe Gly Ser Val Gln			
	260		265		270
Phe Val Ala Ser	Tyr Lys Val Ala Tyr	Ser Asn Asp Ser Ala Asn			
	275		280		285
Trp Thr Glu Tyr	Gln Asp Pro Arg Thr	Gly Ser Ser Lys Ile Phe			
	290		295		300
Pro Gly Asn Trp	Asp Asn His Ser His	Lys Lys Asn Leu Phe Glu			
	305		310		315
Thr Pro Ile Leu	Ala Arg Tyr Val Arg	Ile Leu Pro Val Ala Trp			
	320		325		330
His Asn Arg Ile	Ala Leu Arg Leu Glu	Leu Leu Gly Cys			
	335		340		

&lt;210&gt; 6

&lt;211&gt; 110

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517764CD1

&lt;400&gt; 6

Met Leu Pro Cys Ala	Ser Cys Leu Pro	Gly Ser Leu Leu Leu Trp
1	5	10 15
Ala Leu Leu Leu Leu	Leu Leu Gly Ser	Ala Ser Pro Gln Asp Ser
	20	25 30
Glu Glu Pro Asp Ser	Tyr Thr Glu Cys	Thr Asp Gly Tyr Glu Trp
	35	40 45
Asp Pro Asp Ser Gln	His Cys Arg Gly	Val Cys Ala Trp Gly Thr
	50	55 60
Lys His Pro Gln Glu	Pro Gly Lys Gly	Leu Ile Ala Ala Phe Gln
	65	70 75
Glu Thr Ala Pro Pro	Pro Arg Thr Ala	Val Gly Ala Gln Gln Pro
	80	85 90
Val Leu Cys Pro Ala	Leu Leu His Arg	Gly Gln Leu Trp Leu Ser
	95	100 105
Gly Gly Gln Leu Ser		
	110	

&lt;210&gt; 7

&lt;211&gt; 724

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517774CD1

&lt;400&gt; 7

Met Gly Ile Glu Leu	Leu Cys Leu Phe	Phe Leu Phe Leu Gly Arg
1	5	10 15
Asn Asp His Val Gln	Gly Gly Cys Ala	Leu Gly Gly Ala Glu Thr

	20		25		30
Cys Glu Asp Cys Leu Leu Ile Gly Pro Gln Cys Ala Trp Cys Ala					
	35		40		45
Gln Glu Asn Phe Thr His Pro Ser Gly Val Gly Glu Arg Cys Asp					
	50		55		60
Thr Pro Ala Asn Leu Leu Ala Lys Gly Cys Gln Leu Asn Phe Ile					
	65		70		75
Glu Asn Pro Val Ser Gln Val Glu Ile Leu Lys Asn Lys Pro Leu					
	80		85		90
Ser Val Gly Arg Gln Lys Asn Ser Ser Asp Ile Val Gln Ile Ala					
	95		100		105
Pro Gln Ser Leu Ile Leu Lys Leu Arg Pro Gly Gly Ala Gln Thr					
	110		115		120
Leu Gln Val His Val Arg Gln Thr Glu Asp Tyr Pro Val Asp Leu					
	125		130		135
Tyr Tyr Leu Met Asp Leu Ser Ala Ser Met Asp Asp Asp Leu Asn					
	140		145		150
Thr Ile Lys Glu Leu Gly Ser Arg Leu Ser Lys Glu Met Ser Lys					
	155		160		165
Leu Thr Ser Asn Phe Arg Leu Gly Phe Gly Ser Phe Val Glu Lys					
	170		175		180
Pro Val Ser Pro Phe Val Lys Thr Thr Pro Glu Glu Ile Ala Asn					
	185		190		195
Pro Cys Ser Ser Ile Pro Tyr Phe Cys Leu Pro Thr Phe Gly Phe					
	200		205		210
Lys His Ile Leu Pro Leu Thr Asn Asp Ala Glu Arg Phe Asn Glu					
	215		220		225
Ile Val Lys Asn Gln Lys Ile Ser Ala Asn Ile Asp Thr Pro Glu					
	230		235		240
Gly Gly Phe Asp Ala Ile Met Gln Ala Ala Val Cys Lys Glu Lys					
	245		250		255
Ile Gly Trp Arg Asn Asp Ser Leu His Leu Leu Val Phe Val Ser					
	260		265		270
Asp Ala Asp Ser His Phe Gly Met Asp Ser Lys Leu Ala Gly Ile					
	275		280		285
Val Ile Pro Asn Asp Gly Leu Cys His Leu Asp Ser Lys Asn Glu					
	290		295		300
Tyr Ser Met Ser Thr Val Leu Glu Tyr Pro Thr Ile Gly Gln Leu					
	305		310		315
Ile Asp Lys Leu Val Gln Asn Asn Val Leu Leu Ile Phe Ala Val					
	320		325		330
Thr Gln Glu Gln Val His Leu Tyr Glu Asn Tyr Ala Lys Leu Ile					
	335		340		345
Pro Gly Ala Thr Val Gly Leu Leu Gln Lys Asp Ser Gly Asn Ile					
	350		355		360
Leu Gln Leu Ile Ile Ser Ala Tyr Glu Asp Leu Arg Ser Glu Val					
	365		370		375
Glu Leu Glu Val Leu Gly Asp Thr Glu Gly Leu Asn Leu Ser Phe					
	380		385		390
Thr Ala Ile Cys Asn Asn Gly Thr Leu Phe Gln His Gln Lys Lys					
	395		400		405
Cys Ser His Met Lys Val Gly Asp Thr Ala Ser Phe Ser Val Thr					
	410		415		420
Val Asn Ile Pro His Cys Glu Arg Arg Ser Arg His Ile Ile Ile					
	425		430		435
Lys Pro Val Gly Leu Gly Asp Ala Leu Glu Leu Leu Val Ser Pro					

<400> 8														
Met	Gly	Gly	Pro	Arg	Ala	Trp	Ala	Leu	Leu	Cys	Leu	Gly	Leu	Leu
1				5					10					15
Leu	Pro	Gly	Gly	Gly	Ala	Ala	Trp	Ser	Ile	Gly	Ala	Ala	Pro	Phe
				20					25					30
Ser	Gly	Arg	Arg	Asn	Trp	Cys	Ser	Tyr	Val	Val	Thr	Arg	Thr	Ile
				35					40					45

Ser	Cys	His	Val	Gln	Asn	Gly	Thr	Tyr	Leu	Gln	Arg	Val	Leu	Gln
				50					55					60
Asn	Cys	Pro	Trp	Pro	Met	Ser	Cys	Pro	Gly	Ser	Ser	Tyr	Arg	Thr
				65					70					75
Val	Val	Arg	Pro	Thr	Tyr	Lys	Val	Met	Tyr	Lys	Ile	Val	Thr	Ala
				80					85					90
Arg	Glu	Trp	Arg	Cys	Cys	Pro	Gly	His	Ser	Gly	Val	Ser	Cys	Glu
				95					100					105
Glu	Val	Ala	Gly	Ser	Ser	Ala	Ser	Leu	Glu	Pro	Met	Trp	Ser	Gly
				110					115					120
Ser	Thr	Met	Arg	Arg	Met	Ala	Leu	Gln	Pro	Thr	Ala	Phe	Ser	Gly
				125					130					135
Cys	Leu	Asn	Cys	Ser	Lys	Val	Ser	Glu	Leu	Thr	Glu	Arg	Leu	Lys
				140					145					150
Val	Leu	Glu	Ala	Lys	Met	Thr	Met	Leu	Thr	Val	Ile	Glu	Gln	Pro
				155					160					165
Val	Pro	Pro	Thr	Pro	Ala	Thr	Pro	Glu	Asp	Pro	Ala	Pro	Leu	Trp
				170					175					180
Gly	Pro	Pro	Pro	Ala	Gln	Gly	Ser	Pro	Gly	Asp	Gly	Gly	Leu	Gln
				185					190					195
Asp	Gln	Val	Gly	Ala	Trp	Gly	Leu	Pro	Gly	Pro	Thr	Gly	Pro	Lys
				200					205					210
Gly	Asp	Ala	Gly	Ser	Arg	Gly	Pro	Met	Gly	Met	Arg	Gly	Pro	Pro
				215					220					225
Gly	Pro	Gln	Gly	Pro	Pro	Gly	Ser	Pro	Gly	Arg	Ala	Gly	Ala	Val
				230					235					240
Gly	Thr	Pro	Gly	Glu	Arg	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Pro
				245					250					255
Gly	Pro	Pro	Gly	Pro	Pro	Ala	Pro	Val	Gly	Pro	Pro	His	Ala	Arg
				260					265					270
Ile	Ser	Gln	His	Gly	Asp	Pro	Leu	Leu	Ser	Asn	Thr	Phe	Thr	Glu
				275					280					285
Thr	Asn	Asn	His	Trp	Pro	Gln	Gly	Pro	Thr	Gly	Pro	Pro	Gly	Pro
				290					295					300
Pro	Gly	Pro	Met	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Thr	Gly	Val
				305					310					315
Pro	Gly	Ser	Pro	Gly	His	Ile	Gly	Pro	Pro	Gly	Pro	Thr	Gly	Pro
				320					325					330
Lys	Gly	Ile	Ser	Gly	His	Pro	Gly	Glu	Lys	Gly	Glu	Arg	Gly	Leu
				335					340					345
Arg	Gly	Glu	Pro	Gly	Pro	Gln	Gly	Ser	Ala	Gly	Gln	Arg	Gly	Glu
				350					355					360
Pro	Gly	Pro	Lys	Gly	Asp	Pro	Gly	Glu	Lys	Ser	His	Trp	Ala	Pro
				365					370					375
Ser	Leu	Gln	Ser	Phe	Leu	Gln	Gln	Gln	Ala	Gln	Leu	Glu	Leu	Leu
				380					385					390
Ala	Arg	Arg	Val	Thr	Leu	Leu	Glu	Ala	Ile	Ile	Trp	Pro	Glu	Pro
				395					400					405
Glu	Leu	Gly	Ser	Gly	Ala	Gly	Pro	Ala	Gly	Thr	Gly	Thr	Pro	Ser
				410					415					420
Leu	Leu	Arg	Gly	Lys	Arg	Gly	Gly	His	Ala	Thr	Asn	Tyr	Arg	Ile
				425					430					435
Val	Ala	Pro	Arg	Ser	Arg	Asp	Glu	Arg	Gly					
				440					445					

&lt;210&gt; 9



&lt;211&gt; 279

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520147CD1

&lt;400&gt; 9

```

Met Arg Leu Leu Ala Phe Leu Ser Leu Leu Ala Leu Val Leu Gln
 1          5          10          15
Glu Thr Gly Thr Ala Ser Leu Pro Arg Lys Glu Arg Lys Arg Arg
          20          25          30
Glu Glu Gln Met Pro Arg Glu Gly Asp Ser Phe Glu Val Leu Pro
          35          40          45
Leu Arg Asn Asp Val Leu Asn Pro Asp Asn Tyr Gly Glu Val Ile
          50          55          60
Asp Leu Ser Asn Tyr Glu Glu Leu Thr Asp Tyr Gly Asp Gln Leu
          65          70          75
Pro Glu Val Lys Val Thr Ser Leu Ala Pro Ala Thr Ser Ile Ser
          80          85          90
Pro Ala Lys Ser Thr Thr Ala Pro Gly Thr Pro Ser Ser Asn Pro
          95          100          105
Thr Met Thr Arg Pro Thr Thr Ala Gly Leu Leu Leu Ser Ser Gln
          110          115          120
Pro Asn His Ala Lys Leu Lys Arg Ile Asp Leu Ser Asn Asn Leu
          125          130          135
Ile Ser Ser Ile Asp Asn Asp Ala Phe Arg Leu Leu His Ala Leu
          140          145          150
Gln Asp Leu Ile Leu Pro Glu Asn Gln Leu Glu Ala Leu Pro Val
          155          160          165
Leu Pro Ser Gly Ile Glu Phe Leu Asp Val Arg Leu Asn Arg Leu
          170          175          180
Gln Ser Ser Gly Ile Gln Pro Ala Ala Phe Arg Ala Met Glu Lys
          185          190          195
Leu Gln Phe Leu Tyr Leu Ser Asp Asn Leu Leu Asp Ser Ile Pro
          200          205          210
Gly Pro Leu Pro Leu Ser Leu Arg Ser Val His Leu Gln Asn Asn
          215          220          225
Leu Ile Glu Thr Met Gln Arg Asp Val Phe Cys Asp Pro Glu Glu
          230          235          240
His Lys His Thr Arg Arg Gln Leu Glu Asp Ile Arg Leu Asp Gly
          245          250          255
Asn Pro Ile Asn Leu Ser Leu Phe Pro Ser Ala Tyr Phe Cys Leu
          260          265          270
Pro Arg Leu Pro Ile Gly Arg Phe Thr
          275

```

&lt;210&gt; 10

&lt;211&gt; 245

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520276CD1

&lt;400&gt; 10

```

Met Ser Ser Arg Ile Ala Arg Ala Leu Ala Leu Val Val Thr Leu
 1           5           10           15
Leu His Leu Thr Arg Leu Ala Leu Ser Thr Cys Pro Ala Ala Cys
          20           25           30
His Cys Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu
          35           40           45
Val Arg Asp Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu
          50           55           60
Asn Glu Asp Cys Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly
          65           70           75
Leu Glu Cys Asn Phe Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile
          80           85           90
Cys Arg Ala Gln Ser Glu Gly Arg Pro Cys Glu Tyr Asn Ser Arg
          95          100          105
Ile Tyr Gln Asn Gly Glu Ser Phe Gln Pro Asn Cys Lys His Gln
          110         115         120
Cys Thr Cys Ile Asp Gly Ala Val Gly Cys Ile Pro Leu Cys Pro
          125         130         135
Gln Glu Leu Ser Leu Pro Asn Leu Gly Cys Pro Asn Pro Arg Leu
          140         145         150
Val Lys Val Thr Gly Gln Cys Cys Glu Glu Trp Val Cys Asp Glu
          155         160         165
Asp Ser Ile Lys Asp Pro Met Glu Asp Gln Asp Gly Leu Leu Gly
          170         175         180
Lys Glu Leu Gly Phe Asp Ala Ser Glu Val Glu Leu Thr Arg Asn
          185         190         195
Asn Glu Leu Ile Ala Val Gly Lys Gly Ser Ser Leu Lys Arg Leu
          200         205         210
Pro Gly Lys Trp Arg Leu Ser Thr Ser Asp Thr Val Leu Arg Cys
          215         220         225
Ile Ser Gly Leu Asn Leu Cys Arg Asn Glu Cys Leu Ser Leu Phe
          230         235         240
Val Ser Val Cys Leu
          245

```

&lt;210&gt; 11

&lt;211&gt; 325

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520808CD1

&lt;400&gt; 11

```

Met Ala Ala Gly Thr Ala Val Gly Ala Trp Val Leu Val Leu Ser
 1           5           10           15
Leu Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile
          20           25           30
Gly Glu Pro Leu Val Leu Lys Cys Lys Gly Ala Pro Lys Lys Pro
          35           40           45
Pro Gln Arg Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala
          50           55           60
Trp Lys Val Leu Ser Pro Gln Gly Gly Gly Pro Trp Asp Ser Val
          65           70           75

```

```

Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu Pro Ala Val Gly
      80                      85                      90
Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met Asn Arg Asn
      95                      100                     105
Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr Gln Ile
      110                     115                     120
Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr Ala
      125                     130                     135
Gly Val Pro Asn Lys Val Gly Thr Cys Val Ser Glu Gly Ser Tyr
      140                     145                     150
Pro Ala Gly Thr Leu Ser Trp His Leu Asp Gly Lys Pro Leu Val
      155                     160                     165
Pro Asn Glu Lys Gly Val Ser Val Lys Glu Gln Thr Arg Arg His
      170                     175                     180
Pro Glu Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu Met Val Thr
      185                     190                     195
Pro Ala Arg Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys Ser Phe
      200                     205                     210
Ser Pro Gly Leu Pro Arg His Arg Ala Leu Arg Thr Ala Pro Ile
      215                     220                     225
Gln Pro Arg Val Trp Glu Pro Val Pro Leu Glu Glu Val Gln Leu
      230                     235                     240
Val Val Glu Pro Glu Gly Gly Ala Val Ala Pro Gly Gly Thr Val
      245                     250                     255
Thr Leu Thr Cys Glu Val Pro Ala Gln Pro Ser Pro Gln Ile His
      260                     265                     270
Trp Met Lys Asp Asn Gln Ala Arg Arg Gly Gln Leu Gln Val Arg
      275                     280                     285
Gly Leu Ile Lys Ser Gly Lys Gln Lys Ile Ala Pro Asn Thr Cys
      290                     295                     300
Asp Trp Gly Asp Gly Gln Gln Glu Arg Asn Gly Arg Pro Gln Lys
      305                     310                     315
Thr Arg Arg Lys Arg Arg Ser Val Gln Asn
      320                     325

```

&lt;210&gt; 12

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520821CD1

&lt;400&gt; 12

```

Met Arg Ala Ala Tyr Leu Phe Leu Leu Phe Leu Pro Ala Gly Leu
  1              5              10              15
Leu Ala Gln Gly Gln Tyr Asp Leu Asp Pro Leu Pro Pro Phe Pro
      20              25              30
Asp His Val Gln Tyr Thr His Tyr Ser Asp Gln Ile Asp Asn Pro
      35              40              45
Asp Tyr Tyr Asp Tyr Gln Gly Asn Gly Leu Gly Val Gly
      50              55

```

&lt;210&gt; 13

&lt;211&gt; 151

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520839CD1

&lt;400&gt; 13

```

Met Gly Thr Trp Ile Leu Phe Ala Cys Leu Leu Gly Ala Ala Phe
 1          5          10          15
Ala Met Pro Val Leu Thr Pro Leu Lys Trp Tyr Gln Ser Ile Arg
          20          25          30
Pro Pro His Pro Pro Thr His Thr Leu Gln Pro His His His Ile
          35          40          45
Pro Val Val Pro Ala Gln Gln Pro Val Ile Pro Gln Gln Pro Met
          50          55          60
Met Pro Val Pro Gly Gln His Ser Met Thr Pro Ile Gln His His
          65          70          75
Gln Pro Asn Leu Pro Pro Pro Ala Gln Gln Pro Tyr Gln Pro Gln
          80          85          90
Pro Val Gln Pro Gln Pro His Gln Pro Met Gln Pro Gln Pro Pro
          95          100          105
Val His Pro Met Gln Pro Leu Pro Pro Gln Pro Pro Leu Pro Pro
          110          115          120
Met Phe Pro Met Gln Pro Leu Pro Pro Met Leu Pro Asp Leu Thr
          125          130          135
Leu Glu Ala Trp Pro Ser Thr Asp Lys Thr Lys Arg Glu Glu Val
          140          145          150

```

Asp

&lt;210&gt; 14

&lt;211&gt; 175

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520891CD1

&lt;400&gt; 14

```

Met Gly Thr Trp Ile Leu Phe Ala Cys Leu Leu Gly Ala Ala Phe
 1          5          10          15
Ala Met Pro Val Leu Thr Pro Leu Lys Trp Tyr Gln Ser Ile Arg
          20          25          30
Pro Pro Tyr Pro Ser Tyr Gly Tyr Glu Pro Met Gly Gly Trp Leu
          35          40          45
His His Gln Ile Ile Pro Val Leu Ser Gln Gln His Pro Pro Thr
          50          55          60
His Thr Leu Gln Pro His His His Ile Pro Val Val Pro Ala Gln
          65          70          75
Gln Pro Val Ile Pro Gln Gln Pro Met Met Pro Val Pro Gly Gln
          80          85          90
His Ser Met Thr Pro Ile Gln His His Gln Pro Asn Leu Pro Pro
          95          100          105
Pro Ala Gln Gln Pro Tyr Gln Pro Gln Pro Val Gln Pro Gln Pro

```

	110		115		120
His Gln Pro Met	Gln Pro Gln Pro Pro	Val His Pro Met Gln Pro			
	125		130		135
Leu Pro Pro Gln	Pro Pro Leu Pro Pro	Met Phe Pro Met Gln Pro			
	140		145		150
Leu Pro Pro Met	Leu Pro Asp Leu Thr	Leu Glu Ala Trp Pro Ser			
	155		160		165
Thr Asp Lys Thr	Lys Arg Glu Glu Val	Asp			
	170		175		

&lt;210&gt; 15

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7514645CD1

&lt;400&gt; 15

Met Gly Gly Ala Gly	Ile Leu Leu Leu Leu	Leu Ala Gly Ala Gly
1	5	10 15
Val Val Val Ala Trp	Arg Pro Pro Lys Gly	Lys Cys Pro Leu Arg
	20	25 30
Cys Ser Cys Ser Lys	Asp Ser Ala Leu Cys	Glu Gly Ser Pro Asp
	35	40 45
Leu Pro Val Ser Phe	Ser Pro Thr Leu Leu	Ser Leu Ser Leu Val
	50	55 60
Arg Thr Gly Val Thr	Gln Leu Lys Ala Gly	Ser Phe Leu Arg Ile
	65	70 75
Pro Ser Leu His Leu		
	80	

&lt;210&gt; 16

&lt;211&gt; 749

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517776CD1

&lt;400&gt; 16

Met Met Phe Pro Trp	Lys Gln Leu Ile Leu	Leu Ser Phe Ile Gly
1	5	10 15
Cys Leu Gly Gly Glu	Leu Leu Leu Gln Gly	Pro Val Phe Ile Lys
	20	25 30
Glu Pro Ser Asn Ser	Ile Phe Pro Val Gly	Ser Glu Asp Lys Lys
	35	40 45
Ile Thr Leu His Cys	Glu Ala Arg Gly Asn	Pro Ser Pro His Tyr
	50	55 60
Arg Trp Gln Leu Asn	Gly Ser Asp Ile Asp	Met Ser Met Glu His
	65	70 75
Arg Tyr Lys Leu Asn	Gly Gly Asn Leu Val	Val Ile Asn Pro Asn
	80	85 90
Arg Asn Trp Asp Thr	Gly Thr Tyr Gln Cys	Phe Ala Thr Asn Ser

	95	100	105
Leu Gly Thr Ile Val Ser Arg Glu Ala Lys Leu Gln Phe Ala Tyr			
	110	115	120
Leu Glu Asn Phe Lys Thr Lys Met Arg Ser Thr Val Ser Val Arg			
	125	130	135
Glu Gly Gln Gly Val Val Leu Leu Cys Gly Pro Pro Pro His Ser			
	140	145	150
Gly Glu Leu Ser Tyr Ala Trp Ile Phe Asn Glu Tyr Pro Ser Phe			
	155	160	165
Val Glu Glu Asp Ser Arg Arg Phe Val Ser Gln Glu Thr Gly His			
	170	175	180
Leu Tyr Ile Ser Lys Val Glu Pro Ser Asp Val Gly Asn Tyr Thr			
	185	190	195
Cys Val Val Thr Ser Met Val Thr Asn Ala Arg Val Leu Gly Ser			
	200	205	210
Pro Thr Pro Leu Val Leu Arg Ser Asp Gly Val Met Gly Glu Tyr			
	215	220	225
Glu Pro Lys Ile Glu Val Gln Phe Pro Glu Thr Leu Pro Ala Ala			
	230	235	240
Lys Gly Ser Thr Val Lys Leu Glu Cys Phe Ala Leu Gly Asn Lys			
	245	250	255
Ala Pro Leu Gly Ser Thr His Lys Gly Cys Gly Asn Ser Arg Gly			
	260	265	270
Gly Gln Ser Leu Leu Gly Met Gln Gly Lys Arg Gln Ala Gln Ala			
	275	280	285
Phe Leu Pro Met Ala Glu Lys Trp Ser Ser Pro Gly Ala Arg Ala			
	290	295	300
Ser Ala Pro Asp Phe Ser Lys Asn Pro Met Lys Lys Leu Val Gln			
	305	310	315
Val Gln Val Gly Ser Leu Val Ser Leu Asp Cys Lys Pro Arg Ala			
	320	325	330
Ser Pro Arg Ala Leu Ser Ser Trp Lys Lys Gly Asp Val Ser Val			
	335	340	345
Gln Glu His Glu Arg Ile Ser Leu Leu Asn Asp Gly Gly Leu Lys			
	350	355	360
Ile Ala Asn Val Thr Lys Ala Asp Ala Gly Thr Tyr Thr Cys Met			
	365	370	375
Ala Glu Asn Gln Phe Gly Lys Ala Asn Gly Thr Thr His Leu Val			
	380	385	390
Val Thr Glu Pro Thr Arg Ile Thr Leu Ala Pro Ser Asn Met Asp			
	395	400	405
Val Ser Val Gly Glu Ser Val Ile Leu Pro Cys Gln Val Gln His			
	410	415	420
Asp Pro Leu Leu Asp Ile Ile Phe Thr Trp Tyr Phe Asn Gly Ala			
	425	430	435
Leu Ala Asp Phe Lys Lys Asp Gly Ser His Phe Glu Lys Val Gly			
	440	445	450
Gly Ser Ser Ser Gly Asp Leu Met Ile Arg Asn Ile Gln Leu Lys			
	455	460	465
His Ser Gly Lys Tyr Val Cys Met Val Gln Thr Gly Val Asp Ser			
	470	475	480
Val Ser Ser Ala Ala Asp Leu Ile Val Arg Gly Ser Pro Gly Pro			
	485	490	495
Pro Glu Asn Val Lys Val Asp Glu Ile Thr Asp Thr Thr Ala Gln			
	500	505	510
Leu Ser Trp Lys Glu Gly Lys Asp Asn His Ser Pro Val Ile Ser			

	515		520		525
Tyr Ser Ile Gln	Ala Arg Thr Pro Phe	Ser Val Gly Trp Gln Thr			
	530		535		540
Val Thr Thr Val	Pro Glu Val Ile Asp	Gly Lys Thr His Thr Ala			
	545		550		555
Thr Val Val Glu	Leu Asn Pro Trp Val	Glu Tyr Glu Phe Arg Val			
	560		565		570
Val Ala Ser Asn	Lys Ile Gly Gly Gly	Glu Pro Ser Leu Pro Ser			
	575		580		585
Glu Lys Val Arg	Thr Glu Glu Ala Val	Pro Glu Val Pro Pro Ser			
	590		595		600
Glu Val Asn Gly	Gly Gly Gly Ser Arg	Ser Glu Leu Val Ile Thr			
	605		610		615
Trp Asp Pro Val	Pro Glu Glu Leu Gln	Asn Gly Glu Gly Phe Gly			
	620		625		630
Tyr Val Val Ala	Phe Arg Pro Leu Gly	Val Thr Thr Trp Ile Gln			
	635		640		645
Thr Val Val Thr	Ser Pro Asp Thr Pro	Arg Tyr Val Phe Arg Asn			
	650		655		660
Glu Ser Ile Val	Pro Tyr Ser Pro Tyr	Glu Val Lys Val Gly Val			
	665		670		675
Tyr Asn Asn Lys	Gly Glu Gly Pro Phe	Ser Pro Val Thr Thr Val			
	680		685		690
Phe Ser Ala Glu	Glu Glu Pro Thr Val	Ala Pro Ser Gln Val Ser			
	695		700		705
Ala Asn Ser Leu	Ser Ser Ser Glu Ile	Glu Val Ser Trp Asn Thr			
	710		715		720
Ile Pro Trp Lys	Leu Ser Asn Gly His	Leu Leu Gly Tyr Glu Val			
	725		730		735
Arg Tyr Trp Asn	Gly Val Glu Arg Arg	Asn His Pro Val Arg			
	740		745		

&lt;210&gt; 17

&lt;211&gt; 999

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7517783CD1

&lt;400&gt; 17

Met Met Phe Pro	Trp Lys Gln Leu Ile	Leu Leu Ser Phe Ile	Gly	
1	5	10	15	
Cys Leu Gly Gly	Glu Leu Leu Leu Gln	Gly Pro Val Phe Ile	Lys	
	20	25	30	
Glu Pro Ser Asn	Ser Ile Phe Pro Val	Gly Ser Glu Asp Lys	Lys	
	35	40	45	
Ile Thr Leu His	Cys Glu Ala Arg Gly	Asn Pro Ser Pro His	Tyr	
	50	55	60	
Arg Trp Gln Leu	Asn Gly Ser Asp Ile	Asp Met Ser Met Glu	His	
	65	70	75	
Arg Tyr Lys Leu	Asn Gly Gly Asn Leu	Val Val Ile Asn Pro	Asn	
	80	85	90	
Arg Asn Trp Asp	Thr Gly Thr Tyr Gln	Cys Phe Ala Thr Asn	Ser	
	95	100	105	

Leu Gly Thr Ile Val Ser Arg Glu Ala Lys Leu Gln Phe Ala Tyr	110	115	120
Leu Glu Asn Phe Lys Thr Lys Met Arg Ser Thr Val Ser Val Arg	125	130	135
Glu Gly Gln Gly Val Val Leu Leu Cys Gly Pro Pro Pro His Ser	140	145	150
Gly Glu Leu Ser Tyr Ala Trp Ile Phe Asn Glu Tyr Pro Ser Phe	155	160	165
Val Glu Glu Asp Ser Arg Arg Phe Val Ser Gln Glu Thr Gly His	170	175	180
Leu Tyr Ile Ser Lys Val Glu Pro Ser Asp Val Gly Asn Tyr Thr	185	190	195
Cys Val Val Thr Ser Met Val Thr Asn Ala Arg Val Leu Gly Ser	200	205	210
Pro Thr Pro Leu Val Leu Arg Ser Asp Gly Val Met Gly Glu Tyr	215	220	225
Glu Pro Lys Ile Glu Val Gln Phe Pro Glu Thr Leu Pro Ala Ala	230	235	240
Lys Gly Ser Thr Val Lys Leu Glu Cys Phe Ala Leu Gly Asn Pro	245	250	255
Ile Pro Gln Ile Asn Trp Arg Arg Ser Asp Gly Leu Pro Phe Ser	260	265	270
Ser Lys Ile Lys Leu Arg Lys Phe Ser Gly Val Leu Glu Ile Pro	275	280	285
Asn Phe Gln Gln Glu Asp Ala Gly Ser Tyr Glu Cys Ile Ala Glu	290	295	300
Asn Ser Gln Gly Lys Asn Val Ala Arg Gly Arg Leu Thr Tyr Tyr	305	310	315
Ala Lys Pro His Trp Val Gln Leu Ile Lys Asp Val Glu Ile Ala	320	325	330
Val Glu Asp Ser Leu Tyr Trp Glu Cys Arg Ala Ser Gly Lys Pro	335	340	345
Lys Pro Ser Tyr Arg Trp Leu Lys Asn Gly Ala Ala Leu Val Leu	350	355	360
Glu Glu Arg Thr Gln Ile Glu Asn Gly Ala Leu Thr Ile Ser Asn	365	370	375
Leu Ser Val Thr Asp Ser Gly Met Phe Gln Cys Ile Ala Glu Asn	380	385	390
Lys His Gly Leu Val Tyr Ser Ser Ala Glu Leu Lys Val Val Ala	395	400	405
Ser Ala Pro Asp Phe Ser Lys Asn Pro Met Lys Lys Leu Val Gln	410	415	420
Val Gln Val Gly Ser Leu Val Ser Leu Asp Cys Lys Pro Arg Ala	425	430	435
Ser Pro Arg Ala Leu Ser Ser Trp Lys Lys Gly Asp Val Ser Val	440	445	450
Gln Glu His Glu Arg Ile Ser Leu Leu Asn Asp Gly Gly Leu Lys	455	460	465
Ile Ala Asn Val Thr Lys Ala Asp Ala Gly Thr Tyr Thr Cys Met	470	475	480
Ala Glu Asn Gln Phe Gly Lys Ala Asn Gly Thr Thr His Leu Val	485	490	495
Val Thr Glu Pro Thr Arg Ile Thr Leu Ala Pro Ser Asn Met Asp	500	505	510
Val Ser Val Gly Glu Ser Val Ile Leu Pro Cys Gln Val Gln His	515	520	525



Asp	Pro	Leu	Leu	Asp	Ile	Ile	Phe	Thr	Trp	Tyr	Phe	Asn	Gly	Ala
				530					535					540
Leu	Ala	Asp	Phe	Lys	Lys	Asp	Gly	Ser	His	Phe	Glu	Lys	Val	Gly
				545					550					555
Gly	Ser	Ser	Ser	Gly	Asp	Leu	Met	Ile	Arg	Asn	Ile	Gln	Leu	Lys
				560					565					570
His	Ser	Gly	Lys	Tyr	Val	Cys	Met	Val	Gln	Thr	Gly	Val	Asp	Ser
				575					580					585
Val	Ser	Ser	Ala	Ala	Asp	Leu	Ile	Val	Arg	Gly	Ser	Pro	Gly	Pro
				590					595					600
Pro	Glu	Asn	Val	Lys	Ala	Arg	Thr	Pro	Phe	Ser	Val	Gly	Trp	Gln
				605					610					615
Thr	Val	Thr	Thr	Val	Pro	Glu	Val	Ile	Asp	Gly	Lys	Thr	His	Thr
				620					625					630
Ala	Thr	Val	Val	Glu	Leu	Asn	Pro	Trp	Val	Glu	Tyr	Glu	Phe	Arg
				635					640					645
Val	Val	Ala	Ser	Asn	Lys	Ile	Gly	Gly	Gly	Glu	Pro	Ser	Leu	Pro
				650					655					660
Ser	Glu	Lys	Val	Arg	Thr	Glu	Glu	Ala	Val	Pro	Glu	Val	Pro	Pro
				665					670					675
Ser	Glu	Val	Asn	Gly	Gly	Gly	Gly	Ser	Arg	Ser	Glu	Leu	Val	Ile
				680					685					690
Thr	Trp	Asp	Pro	Val	Pro	Glu	Glu	Leu	Gln	Asn	Gly	Glu	Gly	Phe
				695					700					705
Gly	Tyr	Val	Val	Ala	Phe	Arg	Pro	Leu	Gly	Val	Thr	Thr	Trp	Ile
				710					715					720
Gln	Thr	Val	Val	Thr	Ser	Pro	Asp	Thr	Pro	Arg	Tyr	Val	Phe	Arg
				725					730					735
Asn	Glu	Ser	Ile	Val	Pro	Tyr	Ser	Pro	Tyr	Glu	Val	Lys	Val	Gly
				740					745					750
Val	Tyr	Asn	Asn	Lys	Gly	Glu	Gly	Pro	Phe	Ser	Pro	Val	Thr	Thr
				755					760					765
Val	Phe	Ser	Ala	Glu	Glu	Glu	Pro	Thr	Val	Ala	Pro	Ser	Gln	Val
				770					775					780
Ser	Ala	Asn	Ser	Leu	Ser	Ser	Ser	Glu	Ile	Glu	Val	Ser	Trp	Asn
				785					790					795
Thr	Ile	Pro	Trp	Lys	Leu	Ser	Asn	Gly	His	Leu	Leu	Gly	Tyr	Glu
				800					805					810
Val	Arg	Tyr	Trp	Asn	Gly	Gly	Gly	Lys	Glu	Glu	Ser	Ser	Ser	Lys
				815					820					825
Met	Lys	Val	Ala	Gly	Asn	Glu	Thr	Ser	Ala	Arg	Leu	Arg	Gly	Leu
				830					835					840
Lys	Ser	Asn	Leu	Ala	Tyr	Tyr	Thr	Ala	Val	Arg	Ala	Tyr	Asn	Ser
				845					850					855
Ala	Gly	Ala	Gly	Pro	Phe	Ser	Ala	Thr	Val	Asn	Val	Thr	Thr	Lys
				860					865					870
Lys	Thr	Pro	Pro	Ser	Gln	Pro	Pro	Gly	Asn	Val	Val	Trp	Asn	Ala
				875					880					885
Thr	Asp	Thr	Lys	Val	Leu	Leu	Asn	Trp	Glu	Gln	Val	Lys	Ala	Met
				890					895					900
Glu	Asn	Glu	Ser	Glu	Val	Thr	Gly	Tyr	Lys	Val	Phe	Tyr	Arg	Thr
				905					910					915
Ser	Ser	Gln	Asn	Asn	Val	Gln	Val	Leu	Asn	Thr	Asn	Lys	Thr	Ser
				920					925					930
Ala	Glu	Leu	Val	Leu	Pro	Ile	Lys	Glu	Asp	Tyr	Ile	Ile	Glu	Val
				935					940					945

Lys Ala Thr Thr Asp Gly Gly Asp Gly Thr Ser Ser Glu Gln Ile  
 950 955 960  
 Arg Ile Pro Arg Ile Thr Ser Met Asp Ala Arg Gly Ser Thr Ser  
 965 970 975  
 Ala Ile Ser Asn Val His Pro Met Ser Ser Tyr Met Pro Ile Val  
 980 985 990  
 Leu Phe Leu Ile Val Tyr Val Leu Trp  
 995

&lt;210&gt; 18

&lt;211&gt; 200

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7522607CD1

&lt;400&gt; 18

Met Arg Leu Gly Leu Cys Val Val Ala Leu Val Leu Ser Trp Thr  
 1 5 10 15  
 His Leu Thr Ile Ser Ser Arg Gly Ile Lys Gly Lys Arg Gln Arg  
 20 25 30  
 Arg Ile Ser Ala Glu Gly Ser Gln Ala Cys Ala Lys Gly Cys Glu  
 35 40 45  
 Leu Cys Ser Glu Val Asn Gly Cys Leu Lys Cys Ser Pro Lys Leu  
 50 55 60  
 Phe Ile Leu Leu Glu Arg Asn Asp Ile Arg Gln Val Gly Val Cys  
 65 70 75  
 Leu Pro Ser Cys Pro Pro Gly Tyr Phe Asp Ala Arg Asn Pro Asp  
 80 85 90  
 Met Asn Lys Cys Ile Lys Cys Lys Ile Glu His Cys Glu Ala Cys  
 95 100 105  
 Phe Ser His Asn Phe Cys Thr Lys Cys Lys Glu Gly Leu Tyr Leu  
 110 115 120  
 His Lys Gly Arg Cys Tyr Pro Ala Cys Pro Glu Gly Ser Ser Ala  
 125 130 135  
 Ala Asn Gly Thr Met Glu Cys Ser Ser Pro Gly Gln Lys Arg Arg  
 140 145 150  
 Lys Gly Gly Gln Gly Arg Arg Glu Asn Ala Asn Arg Asn Leu Ala  
 155 160 165  
 Arg Lys Glu Ser Lys Glu Ala Gly Ala Gly Ser Arg Arg Arg Lys  
 170 175 180  
 Gly Gln Gln Gln Gln Gln Gln Gly Thr Val Gly Pro Leu Thr  
 185 190 195  
 Ser Ala Gly Pro Ala  
 200

&lt;210&gt; 19

&lt;211&gt; 123

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521142CD1

&lt;400&gt; 19

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Met Val Arg Pro Met Leu Leu Leu Ser Leu Gly Leu Leu Ala Gly
 1           5           10           15
Leu Leu Pro Ala Leu Ala Ala Cys Pro Gln Asn Cys His Cys His
           20           25           30
Ser Asp Leu Gln His Val Ile Cys Asp Lys Val Gly Leu Gln Lys
           35           40           45
Ile Pro Lys Val Ser Glu Lys Thr Lys Leu Leu Asn Leu Gln Arg
           50           55           60
Asn Asn Phe Pro Val Leu Ala Ala Asn Ser Phe Arg Ala Met Pro
           65           70           75
Asn Leu Val Ser Leu His Leu Gln His Cys Gln Ile Arg Glu Val
           80           85           90
Ala Ala Gly Ala Phe Arg Gly Leu Lys Gln Leu Ile Tyr Leu Tyr
           95          100          105
Leu Ser His Asn Asp Ile Arg Val Leu Arg Ala Ala Gln Gln Gln
          110          115          120
Gln Asp Pro

```

&lt;210&gt; 20

&lt;211&gt; 101

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521689CD1

&lt;400&gt; 20

```

Met Lys Leu His Cys Cys Leu Phe Thr Leu Val Ala Ser Ile Ile
 1           5           10           15
Val Pro Ala Ala Phe Val Leu Glu Asp Val Asp Phe Asp Gln Met
           20           25           30
Val Ser Leu Glu Ala Asn Arg Ser Ser Tyr Asn Ala Ser Phe Pro
           35           40           45
Ser Ser Phe Glu Leu Ser Ala Ser Ser His Ser Asp Asp Asp Val
           50           55           60
Ile Ile Ala Lys Glu Gly Thr Ser Val Ser Ile Glu Cys Leu Leu
           65           70           75
Thr Ala Ser His Tyr Glu Asp Val His Trp His Asn Ser Lys Gly
           80           85           90
Gln Gln Leu Asp Gly Arg Ser Arg Gly Leu Arg
           95          100

```

&lt;210&gt; 21

&lt;211&gt; 1040

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2878775CD1

&lt;400&gt; 21

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Met Ile Val Leu Leu Leu Phe Ala Leu Leu Trp Met Val Glu Gly

```

1	5	10	15
Val Phe Ser Gln Leu His Tyr Thr Val	Gln Glu Glu Gln Glu His		
20	25	30	
Gly Thr Phe Val Gly Asn Ile Ala Glu Asp Leu Gly Leu Asp Ile			
35	40	45	
Thr Lys Leu Ser Ala Arg Gly Phe Gln Thr Val Pro Asn Ser Arg			
50	55	60	
Thr Pro Tyr Leu Asp Leu Asn Leu Glu Thr Gly Val Leu Tyr Val			
65	70	75	
Asn Glu Lys Ile Asp Arg Glu Gln Ile Cys Lys Gln Ser Pro Ser			
80	85	90	
Cys Val Leu His Leu Glu Val Phe Leu Glu Asn Pro Leu Glu Leu			
95	100	105	
Phe Gln Val Glu Ile Glu Val Leu Asp Ile Asn Asp Asn Pro Pro			
110	115	120	
Ser Phe Pro Glu Pro Asp Leu Thr Val Glu Ile Ser Glu Ser Ala			
125	130	135	
Thr Pro Gly Thr Arg Phe Pro Leu Glu Ser Ala Phe Asp Pro Asp			
140	145	150	
Val Gly Thr Asn Ser Leu Arg Asp Tyr Glu Ile Thr Pro Asn Ser			
155	160	165	
Tyr Phe Ser Leu Asp Val Gln Thr Gln Gly Asp Gly Asn Arg Phe			
170	175	180	
Ala Glu Leu Val Leu Glu Lys Pro Leu Asp Arg Glu Gln Gln Ala			
185	190	195	
Val His Arg Tyr Val Leu Thr Ala Val Asp Gly Gly Gly Gly Gly			
200	205	210	
Gly Val Gly Glu Gly Gly Gly Gly Gly Gly Ala Gly Leu Pro			
215	220	225	
Pro Gln Gln Gln Arg Thr Gly Thr Ala Leu Leu Thr Ile Arg Val			
230	235	240	
Leu Asp Ser Asn Asp Asn Val Pro Ala Phe Asp Gln Pro Val Tyr			
245	250	255	
Thr Val Ser Leu Pro Glu Asn Ser Pro Pro Gly Thr Leu Val Ile			
260	265	270	
Gln Leu Asn Ala Thr Asp Pro Asp Glu Gly Gln Asn Gly Glu Val			
275	280	285	
Val Tyr Ser Phe Ser Ser His Ile Ser Pro Arg Ala Arg Glu Leu			
290	295	300	
Phe Gly Leu Ser Pro Arg Thr Gly Arg Leu Glu Val Ser Gly Glu			
305	310	315	
Leu Asp Tyr Glu Glu Ser Pro Val Tyr Gln Val Tyr Val Gln Ala			
320	325	330	
Lys Asp Leu Gly Pro Asn Ala Val Pro Ala His Cys Lys Val Leu			
335	340	345	
Val Arg Val Leu Asp Ala Asn Asp Asn Ala Pro Glu Ile Ser Phe			
350	355	360	
Ser Thr Val Lys Glu Ala Val Ser Glu Gly Ala Ala Pro Gly Thr			
365	370	375	
Val Val Ala Leu Phe Ser Val Thr Asp Arg Asp Ser Glu Glu Asn			
380	385	390	
Gly Gln Val Gln Cys Glu Leu Leu Gly Asp Val Pro Phe Arg Leu			
395	400	405	
Lys Ser Ser Phe Lys Asn Tyr Tyr Thr Ile Ile Thr Glu Ala Pro			
410	415	420	
Leu Asp Arg Glu Ala Gly Asp Ser Tyr Thr Leu Thr Val Val Ala			

	425		430		435
Arg Asp Arg Gly	Glu Pro Ala Leu Ser	Thr Ser Lys Ser Ile Gln			
	440		445		450
Val Gln Val Ser	Asp Val Asn Asp Asn	Ala Pro Arg Phe Ser Gln			
	455		460		465
Pro Val Tyr Asp	Val Tyr Val Thr Glu	Asn Asn Val Pro Gly Ala			
	470		475		480
Tyr Ile Tyr Ala	Val Ser Ala Thr Asp	Arg Asp Glu Gly Ala Asn			
	485		490		495
Ala Gln Leu Ala	Tyr Ser Ile Leu Glu	Cys Gln Ile Gln Gly Met			
	500		505		510
Ser Val Phe Thr	Tyr Val Ser Ile Asn	Ser Glu Asn Gly Tyr Leu			
	515		520		525
Tyr Ala Leu Arg	Ser Phe Asp Tyr Glu	Gln Leu Lys Asp Phe Ser			
	530		535		540
Phe Gln Val Glu	Ala Arg Asp Ala Gly	Ser Pro Gln Ala Leu Ala			
	545		550		555
Gly Asn Ala Thr	Val Asn Ile Leu Ile	Val Asp Gln Asn Asp Asn			
	560		565		570
Ala Pro Ala Ile	Val Ala Pro Leu Pro	Gly Arg Asn Gly Thr Pro			
	575		580		585
Ala Arg Glu Val	Leu Pro Arg Ser Ala	Glu Pro Gly Tyr Leu Leu			
	590		595		600
Thr Arg Val Ala	Ala Val Asp Ala Asp	Asp Gly Glu Asn Ala Arg			
	605		610		615
Leu Thr Tyr Ser	Ile Val Arg Gly Asn	Glu Met Asn Leu Phe Arg			
	620		625		630
Met Asp Trp Arg	Thr Gly Glu Leu Arg	Thr Ala Arg Arg Val Pro			
	635		640		645
Ala Lys Arg Asp	Pro Gln Arg Pro Tyr	Glu Leu Val Ile Glu Val			
	650		655		660
Arg Asp His Gly	Gln Pro Pro Leu Ser	Ser Thr Ala Thr Leu Val			
	665		670		675
Val Gln Leu Val	Asp Gly Ala Val Glu	Pro Gln Gly Gly Gly Gly			
	680		685		690
Ser Gly Gly Gly	Gly Ser Gly Glu His	Gln Arg Pro Ser Arg Ser			
	695		700		705
Gly Gly Gly Glu	Thr Ser Leu Asp Leu	Thr Leu Ile Leu Ile Ile			
	710		715		720
Ala Leu Gly Ser	Val Ser Phe Ile Phe	Leu Leu Ala Met Ile Val			
	725		730		735
Leu Ala Val Arg	Cys Gln Lys Glu Lys	Lys Leu Asn Ile Tyr Thr			
	740		745		750
Cys Leu Ala Ser	Asp Cys Cys Leu Cys	Cys Cys Cys Cys Gly Gly			
	755		760		765
Gly Gly Ser Thr	Cys Cys Gly Arg Gln	Ala Arg Ala Arg Lys Lys			
	770		775		780
Lys Leu Ser Lys	Ser Asp Ile Met Leu	Val Gln Ser Ser Asn Val			
	785		790		795
Pro Ser Asn Pro	Ala Gln Val Pro Ile	Glu Glu Ser Gly Gly Phe			
	800		805		810
Gly Ser His His	His Asn Gln Asn Tyr	Cys Tyr Gln Val Cys Leu			
	815		820		825
Thr Pro Glu Ser	Ala Lys Thr Asp Leu	Met Phe Leu Lys Pro Cys			
	830		835		840
Ser Pro Ser Arg	Ser Thr Asp Thr Glu	His Asn Pro Cys Gly Ala			

Ile Val Thr Gly Tyr Thr Asp Gln Gln Pro Asp Ile Ile Ser Asn	845	850	855
Gly Ser Ile Leu Ser Asn Glu Thr Lys His Gln Arg Ala Glu Leu	860	865	870
Ser Tyr Leu Val Asp Arg Pro Arg Arg Val Asn Ser Ser Ala Phe	875	880	885
Gln Glu Ala Asp Ile Val Ser Ser Lys Asp Ser Gly His Gly Asp	890	895	900
Ser Glu Gln Gly Asp Ser Asp His Asp Ala Thr Asn Arg Ala Gln	905	910	915
Ser Ala Gly Met Asp Leu Phe Ser Asn Cys Thr Glu Glu Cys Lys	920	925	930
Ala Leu Gly His Ser Asp Arg Cys Trp Met Pro Ser Phe Val Pro	935	940	945
Ser Asp Gly Arg Gln Ala Ala Asp Tyr Arg Ser Asn Leu His Val	950	955	960
Pro Gly Met Asp Ser Val Pro Asp Thr Glu Val Phe Glu Thr Pro	965	970	975
Glu Ala Gln Pro Gly Ala Glu Arg Ser Phe Ser Thr Phe Gly Lys	980	985	990
Glu Lys Ala Leu His Ser Thr Leu Glu Arg Lys Glu Leu Asp Gly	995	1000	1005
Leu Leu Thr Asn Thr Arg Ala Pro Tyr Lys Pro Pro Tyr Leu Thr	1010	1015	1020
Arg Lys Arg Ile Cys	1025	1030	1035
	1040		

&lt;210&gt; 22

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521207CD1

&lt;400&gt; 22

Met Gly Thr Trp Ile Leu Phe Ala Cys Leu Leu Gly Ala Ala Phe			
1	5	10	15
Ala Met Pro Val Leu Thr Pro Leu Lys Trp Tyr Gln Ser Ile Arg			
20	25	30	
Pro Pro Pro Leu Pro Pro Met Leu Pro Asp Leu Thr Leu Glu Ala			
35	40	45	
Trp Pro Ser Thr Asp Lys Thr Lys Arg Glu Glu Val Asp			
50	55		

&lt;210&gt; 23

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521283CD1

&lt;400&gt; 23

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Met Gly Thr Trp Ile Leu Phe Ala Cys Leu Leu Gly Ala Ala Phe
 1           5           10           15
Ala Met Pro Leu Pro Pro His Pro Gly His Pro Gly Tyr Ile Asn
           20           25           30
Phe Ser Tyr Glu Val Leu Thr Pro Leu Lys Trp Tyr Gln Ser Ile
           35           40           45
Arg Pro Pro Pro Leu Pro Pro Met Leu Pro Asp Leu Thr Leu Glu
           50           55           60
Ala Trp Pro Ser Thr Asp Lys Thr Lys Arg Glu Glu Val Asp
           65           70

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&lt;210&gt; 24

&lt;211&gt; 366

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7522210CD1

&lt;400&gt; 24

```

Met Leu His Pro Glu Thr Ser Pro Gly Arg Gly His Leu Leu Ala
 1           5           10           15
Val Leu Leu Ala Leu Leu Gly Thr Thr Trp Ala Glu Val Trp Pro
           20           25           30
Pro Gln Leu Gln Glu Gln Ala Pro Met Ala Gly Ala Leu Asn Arg
           35           40           45
Lys Glu Ser Phe Leu Leu Leu Ser Leu His Asn Arg Leu Arg Ser
           50           55           60
Trp Val Gln Pro Pro Ala Ala Asp Met Arg Arg Leu Leu Val Trp
           65           70           75
Ala Thr Ser Ser Gln Leu Gly Cys Gly Arg His Leu Cys Ser Ala
           80           85           90
Gly Gln Thr Ala Ile Glu Ala Phe Val Cys Ala Tyr Ser Pro Gly
           95          100          105
Gly Asn Trp Glu Val Asn Gly Lys Thr Ile Ile Pro Tyr Lys Lys
          110          115          120
Gly Ala Trp Cys Ser Leu Cys Thr Ala Ser Val Ser Gly Cys Phe
          125          130          135
Lys Ala Trp Asp His Ala Gly Gly Leu Cys Glu Val Pro Arg Asn
          140          145          150
Pro Cys Arg Met Ser Cys Gln Asn His Gly Arg Leu Asn Ile Ser
          155          160          165
Thr Cys His Cys His Cys Pro Pro Gly Tyr Thr Gly Arg Tyr Cys
          170          175          180
Gln Val Arg Cys Ser Leu Gln Cys Val His Gly Arg Phe Arg Glu
          185          190          195
Glu Glu Cys Ser Cys Val Cys Asp Ile Gly Tyr Gly Gly Ala Gln
          200          205          210
Cys Ala Thr Lys Val His Phe Pro Phe His Thr Cys Asp Leu Arg
          215          220          225
Ile Asp Gly Asp Cys Phe Met Val Ser Ser Glu Ala Asp Thr Tyr
          230          235          240
Tyr Arg Ala Arg Met Lys Cys Gln Arg Lys Gly Gly Val Leu Ala
          245          250          255

```

Gln	Ile	Lys	Ser	Gln	Lys	Val	Gln	Asp	Ile	Leu	Ala	Phe	Tyr	Leu
				260					265					270
Gly	Arg	Leu	Glu	Thr	Thr	Asn	Glu	Val	Thr	Asp	Ser	Asp	Phe	Glu
				275					280					285
Thr	Arg	Asn	Phe	Trp	Ile	Gly	Leu	Thr	Tyr	Lys	Thr	Ala	Lys	Asp
				290					295					300
Ser	Phe	Arg	Trp	Ala	Thr	Gly	Glu	His	Gln	Ala	Phe	Thr	Ser	Phe
				305					310					315
Ala	Phe	Gly	Gln	Pro	Asp	Asn	His	Gly	Phe	Gly	Asn	Cys	Val	Glu
				320					325					330
Leu	Gln	Ala	Ser	Ala	Ala	Phe	Asn	Trp	Asn	Asp	Gln	Arg	Cys	Lys
				335					340					345
Thr	Arg	Asn	Arg	Tyr	Ile	Cys	Gln	Phe	Ala	Gln	Glu	His	Ile	Ser
				350					355					360
Arg	Trp	Gly	Pro	Gly	Ser									
				365										

&lt;210&gt; 25

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519488CD1

&lt;400&gt; 25

Met	Val	Val	Leu	Asn	Pro	Met	Thr	Leu	Gly	Ile	Tyr	Leu	Gln	Leu
1				5					10					15
Phe	Phe	Leu	Ser	Ile	Val	Ser	Gln	Pro	Thr	Phe	Ile	Asn	Ser	Val
				20					25					30
Leu	Pro	Ile	Ser	Ala	Ala	Leu	Pro	Ser	Leu	Asp	Gln	Lys	Lys	Arg
				35					40					45
Gly	Gly	His	Lys	Ala	Cys	Cys	Leu	Leu	Thr	Pro	Pro	Pro	Pro	Pro
				50					55					60
Leu	Phe	Pro	Pro	Pro	Phe	Phe	Arg	Gly	Gly	Arg	Ser	Pro	Thr	
				65					70					

&lt;210&gt; 26

&lt;211&gt; 272

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519965CD1

&lt;400&gt; 26

Met	Val	Val	Leu	Asn	Pro	Met	Thr	Leu	Gly	Ile	Tyr	Leu	Gln	Leu
1				5					10					15
Phe	Phe	Leu	Ser	Ile	Val	Ser	Gln	Pro	Thr	Phe	Ile	Asn	Ser	Val
				20					25					30
Leu	Pro	Ile	Ser	Ala	Ala	Leu	Pro	Ser	Leu	Asp	Gln	Lys	Lys	Arg
				35					40					45
Gly	Gly	His	Lys	Ala	Cys	Cys	Leu	Leu	Thr	Pro	Pro	Pro	Pro	Pro
				50					55					60



Leu Phe Pro Pro Pro Phe Phe Arg Gly Gly Arg Ser Pro Leu Leu  
 65 70 75  
 Ser Pro Asp Met Lys Asn Leu Met Leu Glu Leu Glu Thr Ser Gln  
 80 85 90  
 Ser Pro Cys Met Gln Gly Ser Leu Gly Ser Pro Gly Pro Pro Gly  
 95 100 105  
 Pro Gln Gly Pro Pro Gly Leu Pro Gly Lys Thr Gly Pro Lys Gly  
 110 115 120  
 Glu Lys Gly Arg Pro Gly Pro Pro Gly Val Pro Gly Met Pro Gly  
 125 130 135  
 Pro Ile Gly Trp Pro Gly Pro Glu Gly Pro Arg Gly Glu Lys Gly  
 140 145 150  
 Asp Leu Gly Met Met Gly Leu Pro Gly Ser Arg Gly Pro Met Gly  
 155 160 165  
 Ser Lys Gly Tyr Pro Gly Ser Arg Gly Glu Lys Gly Ser Arg Gly  
 170 175 180  
 Glu Lys Gly Asp Leu Gly Pro Lys Gly Glu Lys Gly Phe Pro Gly  
 185 190 195  
 Phe Pro Gly Met Leu Gly Gln Lys Gly Glu Met Gly Pro Lys Gly  
 200 205 210  
 Glu Pro Gly Ile Ala Gly His Arg Gly Pro Thr Gly Arg Pro Gly  
 215 220 225  
 Lys Arg Gly Lys Gln Gly Gln Lys Gly Asp Ser Gly Val Met Gly  
 230 235 240  
 Pro Pro Gly Lys Pro Gly Pro Ser Gly Gln Pro Gly Arg Pro Gly  
 245 250 255  
 Pro Pro Gly Pro Pro Pro Ala Asp Phe Cys Gly Gln Gln Pro Gly  
 260 265 270  
 Gly Ala

&lt;210&gt; 27

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519985CD1

&lt;400&gt; 27

Met Pro Pro Leu Trp Ala Leu Leu Ala Leu Gly Cys Leu Arg Phe  
 1 5 10 15  
 Gly Ser Ala Val Asn Leu Gln Pro Gln Leu Ala Ser Val Thr Phe  
 20 25 30  
 Ala Thr Asn Asn Pro Thr Leu Thr Thr Val Ala Leu Glu Lys Pro  
 35 40 45  
 Leu Cys Met Phe Asp Ser Lys Glu Ala Leu Thr Gly Thr His Glu  
 50 55 60  
 Val Tyr Leu Tyr Val Leu Val Asp Ser Gly Ser Ser Met Ser Trp  
 65 70 75  
 Ser Ile Cys Pro Arg Ala Trp  
 80

&lt;210&gt; 28

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520002CD1

&lt;400&gt; 28

```

Met Lys Ala Thr Ile Ile Leu Leu Leu Leu Ala Gln Val Ser Trp
  1           5           10           15
Ala Gly Pro Phe Gln Gln Arg Gly Leu Phe Asp Phe Met Leu Glu
           20           25           30
Asp Glu Ala Ser Gly Ile Gly Pro Glu Val Pro Asp Asp Arg Asp
           35           40           45
Phe Glu Pro Ser Leu Gly Pro Val Cys Pro Phe Arg Cys Gln Cys
           50           55           60
His Leu Arg Val Val Gln Cys Ser Asp Leu Gly Ile Asp Ser Cys
           65           70           75
Gln Gln

```

&lt;210&gt; 29

&lt;211&gt; 195

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520014CD1

&lt;400&gt; 29

```

Met Arg Leu Leu Ala Phe Leu Ser Leu Leu Ala Leu Val Leu Gln
  1           5           10           15
Glu Thr Gly Thr Ala Ser Leu Pro Arg Lys Glu Arg Lys Arg Arg
           20           25           30
Glu Glu Gln Met Pro Arg Glu Gly Asp Ser Phe Glu Val Leu Pro
           35           40           45
Leu Arg Asn Asp Val Leu Asn Pro Asp Asn Tyr Gly Glu Val Ile
           50           55           60
Asp Leu Ser Asn Tyr Glu Glu Leu Thr Asp Tyr Gly Asp Gln Leu
           65           70           75
Pro Glu Val Lys Val Thr Ser Leu Ala Pro Ala Thr Ser Ile Ser
           80           85           90
Pro Ala Lys Ser Thr Thr Ala Pro Gly Thr Pro Ser Ser Asn Pro
           95          100          105
Thr Met Thr Arg Pro Thr Thr Ala Gly Leu Leu Leu Ser Ser Gln
          110          115          120
Pro Asn His Gly Leu Pro Thr Cys Leu Val Cys Val Cys Leu Gly
          125          130          135
Ser Ser Val Tyr Cys Asp Asp Ile Asp Leu Glu Asp Ile Pro Pro
          140          145          150
Leu Pro Arg Arg Thr Ala Tyr Leu Tyr Ala Arg Phe Asn Arg Ile
          155          160          165
Ser Arg Ile Arg Ala Glu Asp Phe Lys Gly Leu Arg Pro His Pro
          170          175          180
Pro Arg Glu Pro Val Gly Ser Ser Ala Arg Ala Ala Gln Trp His

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185

190

195

&lt;210&gt; 30

&lt;211&gt; 168

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520039CD1

&lt;400&gt; 30

Met	Ser	Ser	Phe	Gly	Tyr	Arg	Thr	Leu	Thr	Val	Ala	Leu	Phe	Thr
1				5					10					15
Leu	Ile	Cys	Cys	Pro	Gly	Ser	Asp	Glu	Lys	Val	Phe	Glu	Val	His
				20					25					30
Val	Arg	Pro	Lys	Lys	Leu	Ala	Val	Glu	Pro	Lys	Gly	Ser	Leu	Glu
				35					40					45
Val	Asn	Cys	Ser	Thr	Thr	Cys	Asn	Gln	Pro	Glu	Val	Gly	Gly	Leu
				50					55					60
Glu	Thr	Ser	Leu	Asp	Lys	Ile	Leu	Leu	Asp	Glu	Gln	Ala	Gln	Trp
				65					70					75
Lys	His	Tyr	Leu	Val	Ser	Asn	Ile	Ser	His	Asp	Thr	Val	Leu	Gln
				80					85					90
Cys	His	Phe	Thr	Cys	Ser	Gly	Lys	Gln	Glu	Ser	Met	Asn	Ser	Asn
				95					100					105
Val	Ser	Val	Tyr	Gln	Pro	Val	Ser	Asp	Ser	Gln	Met	Val	Ile	Ile
				110					115					120
Val	Thr	Val	Val	Ser	Val	Leu	Leu	Ser	Leu	Phe	Val	Thr	Ser	Val
				125					130					135
Leu	Leu	Cys	Phe	Ile	Phe	Gly	Gln	His	Leu	Arg	Gln	Gln	Arg	Met
				140					145					150
Gly	Thr	Tyr	Gly	Val	Arg	Ala	Ala	Trp	Arg	Arg	Leu	Pro	Gln	Ala
				155					160					165
Phe	Arg	Pro												

&lt;210&gt; 31

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520053CD1

&lt;400&gt; 31

Met	Pro	Pro	Leu	Trp	Ala	Leu	Leu	Ala	Leu	Gly	Cys	Leu	Arg	Phe
1				5					10					15
Gly	Ser	Ala	Val	Asn	Leu	Gln	Pro	Gln	Leu	Ala	Ser	Val	Thr	Phe
				20					25					30
Ala	Thr	Asn	Asn	Pro	Thr	Leu	Thr	Thr	Val	Ala	Leu	Glu	Lys	Pro
				35					40					45
Leu	Cys	Met	Phe	Asp	Ser	Lys	Glu	Ala	Leu	Thr	Gly	Thr	His	Glu
				50					55					60

Val	Tyr	Leu	Tyr	Val	Leu	Val	Asp	Ser	Val	Thr	Cys	Pro	Ala	Trp
				65					70					75
Met	Pro	Leu	Gly	Met	Cys	Pro	Arg	Pro	His	Arg	Ser			
				80					85					

&lt;210&gt; 32

&lt;211&gt; 207

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7523262CD1

&lt;400&gt; 32

Met	Gly	Ser	Leu	Phe	Pro	Leu	Ser	Leu	Leu	Phe	Phe	Leu	Ala	Ala
1				5					10					15
Ala	Tyr	Pro	Gly	Val	Gly	Ser	Ala	Leu	Gly	Arg	Arg	Thr	Lys	Arg
				20					25					30
Ala	Gln	Ser	Pro	Lys	Gly	Ser	Pro	Leu	Ala	Pro	Ser	Gly	Thr	Ser
				35					40					45
Val	Pro	Phe	Trp	Val	Arg	Met	Asn	Pro	Glu	Phe	Val	Ala	Val	Gln
				50					55					60
Pro	Gly	Lys	Ser	Val	Gln	Leu	Asn	Cys	Ser	Asn	Ser	Cys	Pro	Gln
				65					70					75
Pro	Gln	Asn	Ser	Ser	Leu	Arg	Thr	Pro	Leu	Arg	Gln	Gly	Lys	Thr
				80					85					90
Leu	Arg	Gly	Pro	Gly	Trp	Val	Ser	Tyr	Gln	Leu	Leu	Asp	Val	Arg
				95					100					105
Ala	Trp	Ser	Ser	Leu	Ala	His	Cys	Leu	Val	Thr	Cys	Ala	Gly	Lys
				110					115					120
Thr	Arg	Trp	Ala	Thr	Ser	Arg	Ile	Thr	Ala	Tyr	Ser	Val	Pro	Gly
				125					130					135
Gly	Leu	Leu	Gly	Gly	Asp	Pro	Glu	Ala	Trp	Lys	Pro	Gly	His	Leu
				140					145					150
Phe	Arg	Lys	Pro	Gly	Ala	Leu	His	Arg	Pro	Gly	Ser	Gly	Gln	Arg
				155					160					165
Asp	Leu	Asp	Leu	Arg	Val	Cys	Cys	Trp	Thr	Pro	Arg	Leu	Leu	Ala
				170					175					180
Ala	Arg	Asp	Leu	Pro	Arg	Ala	Pro	Gln	Ser	Arg	Arg	Pro	Gly	Gly
				185					190					195
Pro	Gln	Gln	Leu	Gly	Thr	His	Tyr	Thr	Asp	Ala	Arg			
				200					205					

&lt;210&gt; 33

&lt;211&gt; 259

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7523270CD1

&lt;400&gt; 33

Met	Gly	Leu	Leu	Leu	Val	Pro	Leu	Leu	Leu	Pro	Gly	Ser
1				5				10				15

```

Tyr Gly Leu Pro Phe Tyr Asn Gly Phe Tyr Tyr Ser Asn Ser Ala
    20                      25                      30
Asn Asp Gln Asn Leu Gly Asn Gly His Gly Lys Asp Leu Leu Asn
    35                      40                      45
Gly Val Lys Leu Val Val Glu Thr Pro Glu Glu Thr Leu Phe Thr
    50                      55                      60
Tyr Gln Gly Ala Ser Val Ile Leu Pro Cys Arg Tyr Arg Tyr Glu
    65                      70                      75
Pro Ala Leu Val Ser Pro Arg Arg Val Arg Val Lys Trp Trp Lys
    80                      85                      90
Leu Ser Glu Asn Gly Ala Pro Glu Lys Asp Val Leu Val Ala Ile
    95                      100                     105
Gly Leu Arg His Arg Ser Phe Gly Asp Tyr Gln Gly Arg Val His
   110                      115                     120
Leu Arg Gln Asp Lys Glu His Asp Val Ser Leu Glu Ile Gln Asp
   125                      130                     135
Leu Arg Leu Glu Asp Tyr Gly Arg Tyr Arg Cys Glu Val Ile Asp
   140                      145                     150
Gly Leu Glu Asp Glu Ser Gly Leu Val Glu Leu Glu Leu Arg Gly
   155                      160                     165
Arg Val Tyr Tyr Leu Glu His Pro Glu Lys Leu Thr Leu Thr Glu
   170                      175                     180
Ala Arg Glu Ala Cys Gln Glu Asp Asp Ala Thr Ile Ala Lys Val
   185                      190                     195
Gly Gln Leu Phe Ala Ala Trp Lys Phe His Gly Leu Asp Arg Cys
   200                      205                     210
Asp Ala Gly Trp Leu Ala Asp Gly Ser Val Arg Tyr Pro Val Val
   215                      220                     225
His Pro His Pro Asn Cys Gly Pro Pro Glu Pro Gly Val Arg Ser
   230                      235                     240
Phe Gly Phe Pro Asp Pro Gln Ser Arg Leu Tyr Gly Val Tyr Cys
   245                      250                     255
Tyr Arg Gln His

```

&lt;210&gt; 34

&lt;211&gt; 168

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7523287CD1

&lt;400&gt; 34

```

Met Ile Ser Leu Pro Gly Pro Leu Val Thr Asn Leu Leu Arg Phe
  1           5           10           15
Leu Phe Leu Gly Leu Ser Ala Leu Ala Pro Pro Ser Arg Ala Gln
   20           25           30
Leu Gln Leu His Leu Pro Ala Asn Arg Leu Gln Ala Val Glu Gly
   35           40           45
Gly Glu Val Val Leu Pro Ala Trp Tyr Thr Leu His Gly Glu Val
   50           55           60
Ser Ser Ser Gln Pro Trp Glu Val Pro Phe Val Met Trp Phe Phe
   65           70           75
Lys Gln Lys Glu Lys Glu Gly Gln Val Leu Ser Tyr Ile Asn Gly

```

80	85	90
Val Thr Thr Ser Lys Pro Gly Val Ser	Leu Val Tyr Ser Met Pro	
95	100	105
Ser Arg Asn Leu Ser Leu Arg Leu Glu Gly	Leu Gln Glu Lys Asp	
110	115	120
Ser Gly Pro Tyr Ser Cys Ser Val Asn Val	Gln Asp Lys Gln Gly	
125	130	135
Lys Ser Arg Gly His Ser Ile Lys Thr	Leu Glu Leu Asn Val Leu	
140	145	150
Gly Cys Ala Pro Cys Gly Gly Lys Arg Asp	Pro Glu Leu Pro Val	
155	160	165
Ser Lys Glu		

&lt;210&gt; 35

&lt;211&gt; 373

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521825CD1

&lt;400&gt; 35

Met Ala Pro Arg Thr Leu Trp Ser Cys Tyr	Leu Cys Cys Leu Leu	
1	5	10
Thr Ala Ala Ala Gly Ala Ala Ser Tyr Pro	Pro Arg Gly Phe Ser	
20	25	30
Leu Tyr Thr Gly Ser Ser Gly Ala Leu Ser	Pro Gly Gly Pro Gln	
35	40	45
Ala Gln Ile Ala Pro Arg Pro Ala Ser Arg	His Arg Asn Trp Cys	
50	55	60
Ala Tyr Val Val Thr Arg Thr Val Ser Cys	Val Leu Glu Asp Gly	
65	70	75
Val Glu Thr Tyr Val Lys Tyr Gln Pro Cys	Ala Trp Gly Gln Pro	
80	85	90
Gln Cys Pro Gln Ser Ile Met Tyr Arg Arg	Phe Leu Arg Pro Arg	
95	100	105
Tyr Arg Val Ala Tyr Lys Thr Val Thr Asp	Met Glu Trp Arg Cys	
110	115	120
Cys Gln Gly Tyr Gly Gly Asp Asp Cys Ala	Glu Ser Pro Ala Pro	
125	130	135
Ala Leu Gly Pro Ala Ser Ser Thr Pro Arg	Pro Leu Ala Arg Pro	
140	145	150
Ala Arg Pro Asn Leu Ser Gly Ser Ser Ala	Gly Ser Pro Leu Ser	
155	160	165
Gly Leu Gly Gly Glu Gly Pro Ala Gly Glu	Ala Gly Pro Pro Gly	
170	175	180
Pro Pro Gly Leu Gln Gly Pro Pro Gly Pro	Ala Gly Pro Pro Gly	
185	190	195
Ser Pro Gly Lys Asp Gly Gln Glu Gly Pro	Ile Gly Pro Pro Gly	
200	205	210
Pro Gln Gly Glu Gln Gly Val Glu Gly Ala	Pro Ala Ala Pro Val	
215	220	225
Pro Gln Val Ala Phe Ser Ala Ala Leu Ser	Leu Pro Arg Ser Glu	
230	235	240

Pro Gly Thr Val	Pro Phe Asp Arg Val	Leu Leu Asn Asp Gly Gly
245	250	255
Tyr Tyr Asp Pro	Glu Thr Gly Val Phe Thr	Ala Pro Leu Ala Gly
260	265	270
Arg Tyr Leu Leu	Ser Ala Val Leu Thr	Gly His Arg His Glu Lys
275	280	285
Val Glu Ala Val	Leu Ser Arg Ser Asn	Gln Gly Val Ala Arg Val
290	295	300
Asp Ser Gly Gly	Tyr Glu Pro Glu Gly	Leu Glu Asn Lys Pro Val
305	310	315
Ala Glu Ser Gln	Pro Ser Pro Gly Thr	Leu Gly Val Phe Ser Leu
320	325	330
Ile Leu Pro Leu	Gln Ala Gly Asp Thr	Val Cys Val Asp Leu Val
335	340	345
Met Gly Gln Leu	Ala His Ser Glu Glu	Pro Leu Thr Ile Phe Ser
350	355	360
Gly Ala Leu Leu	Tyr Gly Asp Pro Glu	Leu Glu His Ala
365	370	

&lt;210&gt; 36

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521844CD1

&lt;400&gt; 36

Met Ile Ile Leu	Ile Tyr Leu Phe	Leu Leu Leu Trp	Glu Asp Thr
1	5	10	15
Gln Gly Trp Gly	Phe Lys Asp Gly	Ile Phe His Asn	Ser Ile Trp
20	25		30
Leu Glu Arg Ala	Ala Gly Val Tyr	His Arg Glu Ala	Arg Ser Gly
35	40		45
Lys Tyr Lys Leu	Thr Tyr Ala Glu	Ala Lys Ala Val	Cys Glu Phe
50	55		60
Glu Gly Gly His	Leu Ala Thr Tyr	Lys Gln Leu Glu	Ala Ala Arg
65	70		75
Lys Ile Gly Phe	His Val Cys Ala	Ala Gly Trp Met	Ala Lys Gly
80	85		90
Arg Val Gly Tyr	Pro Ile Val Lys	Pro Gly Pro Asn	Cys Gly Phe
95	100		105
Gly Lys Thr Gly	Ile Ile Asp Tyr	Gly Ile Arg Leu	Asn Arg Ser
110	115		120
Glu Arg Trp Asp	Ala Tyr Cys Tyr	Asn Pro His Ala	Lys Glu Cys
125	130		135
Gly Gly Val Phe	Thr Asp Pro Lys	Gln Ile Phe Lys	Ser Pro Gly
140	145		150
Phe Pro Asn Glu	Tyr Glu Asp Asn	Gln Ile Cys Tyr	Trp His Ile
155	160		165
Arg Leu Lys Tyr	Cys Gly Asp Glu	Leu Pro Asp Asp	Ile Ile Ser
170	175		180
Thr Gly Asn Val	Met Thr Leu Lys	Phe Leu Ser Asp	Ala Ser Val
185	190		195
Thr Ala Gly Gly	Phe Gln Ile Lys	Tyr Val Ala Met	Asp Pro Val

				200					205					210
Ser	Lys	Ser	Ser	Gln	Gly	Lys	Asn	Thr	Ser	Thr	Thr	Ser	Thr	Gly
				215					220					225
Asn	Lys	Asn	Phe	Leu	Ala	Gly	Arg	Phe	Ser	His	Leu			
				230					235					

<210> 37

<211> 163

<212> PRT

<213> Homo sapiens

<220>

<221> misc feature

<223> Incyte ID No: 7521864CD1

<400> 37

Met	Leu	Leu	Ile	Leu	Leu	Ser	Val	Ala	Leu	Leu	Ala	Leu	Ser	Ser
1				5					10					15
Ala	Glu	Ser	Ala	Ser	Glu	Asp	Val	Ser	Gln	Glu	Glu	Ser	Leu	Phe
				20					25					30
Leu	Ile	Ser	Gly	Lys	Pro	Glu	Gly	Arg	Arg	Pro	Gln	Gly	Gly	Asn
				35					40					45
Gln	Pro	Gln	Arg	Pro	Pro	Pro	Pro	Pro	Gly	Lys	Pro	Gln	Gly	Pro
				50					55					60
Pro	Pro	Gln	Gly	Gly	Asn	Gln	Ser	Gln	Gly	Pro	Pro	Pro	Pro	Pro
				65					70					75
Gly	Lys	Pro	Glu	Gly	Pro	Pro	Pro	Gln	Glu	Gly	Asn	Lys	Ser	Arg
				80					85					90
Ser	Ala	Arg	Ser	Pro	Pro	Gly	Lys	Pro	Gln	Gly	Pro	Pro	Gln	Gln
				95					100					105
Glu	Gly	Asn	Lys	Pro	Gln	Gly	Pro	Pro	Pro	Pro	Gly	Lys	Pro	Gln
				110					115					120
Gly	Pro	Pro	Pro	Pro	Gly	Gly	Asn	Pro	Gln	Gln	Pro	Gln	Ala	Pro
				125					130					135
Pro	Ala	Gly	Lys	Pro	Gln	Gly	Pro	Pro	Pro	Pro	Pro	Gln	Gly	Gly
				140					145					150
Arg	Pro	Pro	Arg	Pro	Ala	Gln	Gly	Gln	Gln	Pro	Pro	Gln		
				155					160					

<210> 38

<211> 207

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature
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<223> Incyte ID No: 7522020CD1

<400> 38

Met	Ser	Lys	Gln	Arg	Gly	Thr	Phe	Ser	Glu	Val	Ser	Leu	Ala	Gln
1				5					10					15
Asp	Pro	Lys	Arg	Gln	Gln	Arg	Lys	Pro	Lys	Gly	Asn	Lys	Ser	Ser
				20					25					30
Ile	Ser	Gly	Thr	Glu	Gln	Glu	Ile	Phe	Gln	Val	Glu	Leu	Asn	Leu
				35					40					45
Gln	Asn	Pro	Ser	Leu	Asn	His	Gln	Gly	Ile	Asp	Lys	Ile	Tyr	Asp



	50		55		60									
Cys	Gln	Gly	Leu	Leu	Pro	Pro	Pro	Glu	Lys	Leu	Thr	Ala	Glu	Val
	65		70		75									
Leu	Gly	Ile	Ile	Cys	Ile	Val	Leu	Met	Ala	Thr	Val	Leu	Lys	Thr
	80		85		90									
Ile	Val	Leu	Ile	Pro	Phe	Leu	Glu	Gln	Asn	Asn	Ser	Ser	Pro	Asn
	95		100		105									
Thr	Arg	Thr	Gln	Lys	Ala	Arg	His	Cys	Gly	His	Cys	Pro	Glu	Glu
	110		115		120									
Trp	Ile	Thr	Tyr	Ser	Asn	Ser	Cys	Tyr	Tyr	Ile	Gly	Lys	Glu	Arg
	125		130		135									
Arg	Thr	Trp	Glu	Glu	Ser	Leu	Leu	Ala	Cys	Thr	Ser	Lys	Asn	Ser
	140		145		150									
Ser	Leu	Leu	Ser	Ile	Asp	Asn	Glu	Glu	Glu	Met	Lys	Phe	Leu	Ala
	155		160		165									
Ser	Ile	Leu	Pro	Ser	Ser	Trp	Ile	Gly	Val	Phe	Arg	Asn	Ser	Ser
	170		175		180									
His	His	Pro	Trp	Val	Thr	Ile	Asn	Gly	Leu	Ala	Phe	Lys	His	Asn
	185		190		195									
Thr	Trp	Lys	Met	Leu	Ser	Ser	His	Glu	Ser	Phe	Ala			
	200		205											

&lt;210&gt; 39

&lt;211&gt; 531

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 758410CD1

&lt;400&gt; 39

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				20					25					30
Ala	Gly	Ser	Arg	Ala	Val	Ser	Ala	Leu	Cys	Leu	Leu	Leu	Ser	Val
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Gly	Ser	Ala	Ala	Ala	Cys	Leu	Leu	Leu	Gly	Val	Gln	Ala	Ala	Ala
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Leu	Gln	Gly	Arg	Val	Ala	Ala	Leu	Glu	Glu	Glu	Arg	Glu	Leu	Leu
				65					70					75
Arg	Arg	Ala	Gly	Pro	Pro	Gly	Ala	Leu	Asp	Ala	Trp	Ala	Glu	Pro
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His	Leu	Glu	Arg	Leu	Leu	Arg	Glu	Lys	Leu	Asp	Gly	Leu	Ala	Lys
				95					100					105
Ile	Arg	Thr	Ala	Arg	Glu	Ala	Pro	Ser	Glu	Cys	Val	Cys	Pro	Pro
				110					115					120
Gly	Pro	Pro	Gly	Arg	Arg	Gly	Lys	Pro	Gly	Arg	Arg	Gly	Asp	Pro
				125					130					135
Gly	Pro	Pro	Gly	Gln	Ser	Gly	Arg	Asp	Gly	Tyr	Pro	Gly	Pro	Leu
				140					145					150
Gly	Leu	Asp	Gly	Lys	Pro	Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Lys
				155					160					165
Gly	Asp	Gln	Gly	Gln	Asp	Gly	Ala	Ala	Gly	Pro	Pro	Gly	Pro	Pro
				170					175					180

Gly	Pro	Pro	Gly	Ala	Arg	Gly	Pro	Pro	Gly	Asp	Thr	Gly	Lys	Asp
				185					190					195
Gly	Pro	Arg	Gly	Ala	Gln	Ser	Pro	Ala	Gly	Pro	Lys	Gly	Glu	Pro
				200					205					210
Gly	Gln	Asp	Gly	Glu	Met	Gly	Pro	Lys	Gly	Pro	Pro	Gly	Pro	Lys
				215					220					225
Gly	Glu	Pro	Gly	Val	Pro	Gly	Lys	Lys	Gly	Asp	Asp	Gly	Thr	Pro
				230					235					240
Ser	Gln	Pro	Gly	Pro	Pro	Gly	Pro	Lys	Gly	Glu	Pro	Gly	Ser	Met
				245					250					255
Gly	Pro	Arg	Gly	Glu	Asn	Gly	Val	Asp	Gly	Ala	Pro	Gly	Pro	Lys
				260					265					270
Gly	Glu	Pro	Gly	His	Arg	Gly	Thr	Asp	Gly	Ala	Ala	Gly	Pro	Arg
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Asp	Tyr	Asp	Gly	Arg	Ile	Leu	Asp	Ala	Leu	Lys	Gly	Pro	Pro	Gly
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Pro	Gln	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Ile	Pro	Gly	Ala	Lys	Gly
				320					325					330
Glu	Leu	Gly	Leu	Pro	Gly	Ala	Pro	Gly	Ile	Asp	Gly	Glu	Lys	Gly
				335					340					345
Pro	Lys	Gly	Gln	Lys	Gly	Asp	Pro	Gly	Glu	Pro	Gly	Pro	Ala	Gly
				350					355					360
Leu	Lys	Gly	Glu	Ala	Gly	Glu	Met	Gly	Leu	Ser	Gly	Leu	Pro	Gly
				365					370					375
Ala	Asp	Gly	Leu	Lys	Gly	Glu	Lys	Gly	Glu	Ser	Ala	Ser	Asp	Ser
				380					385					390
Leu	Gln	Glu	Ser	Leu	Ala	Gln	Leu	Ile	Val	Glu	Pro	Gly	Pro	Pro
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Gly	Pro	Lys	Gly	Leu	Asp	Gly	Ala	Lys	Gly	Glu	Lys	Gly	Ala	Ser
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Gly	Glu	Arg	Gly	Pro	Ser	Gly	Leu	Pro	Gly	Pro	Val	Gly	Pro	Pro
				440					445					450
Gly	Leu	Ile	Gly	Leu	Pro	Gly	Thr	Lys	Gly	Glu	Lys	Gly	Arg	Pro
				455					460					465
Gly	Glu	Pro	Gly	Leu	Asp	Gly	Phe	Pro	Gly	Pro	Arg	Gly	Glu	Lys
				470					475					480
Gly	Asp	Arg	Ser	Glu	Arg	Gly	Glu	Lys	Gly	Glu	Arg	Gly	Val	Pro
				485					490					495
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				500					505					510
Gly	Leu	Asp	Gln	Pro	Cys	Pro	Val	Gly	Pro	Asp	Gly	Leu	Pro	Val
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Pro	Gly	Cys	Trp	His	Lys									
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&lt;210&gt; 40

&lt;211&gt; 347

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520759CD1

&lt;400&gt; 40

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Leu Leu Gly Gly Gly Val Ser Val Glu Asp Cys Cys Leu Asn Thr
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Ala Phe Ala Tyr Gln Lys Arg Ser Gly Gly Leu Cys Gln Pro Cys
          65          70          75
Arg Ser Pro Arg Trp Ser Leu Trp Ser Thr Trp Ala Pro Cys Ser
          80          85          90
Val Thr Cys Ser Glu Gly Ser Gln Leu Arg Tyr Arg Arg Cys Val
          95          100          105
Gly Trp Asn Gly Gln Cys Ser Gly Lys Val Ala Pro Gly Thr Leu
          110          115          120
Glu Trp Gln Leu Gln Ala Cys Glu Asp Gln Gln Cys Cys Pro Glu
          125          130          135
Met Gly Gly Trp Ser Gly Trp Gly Pro Trp Glu Pro Cys Ser Val
          140          145          150
Thr Cys Ser Lys Gly Thr Arg Thr Arg Arg Arg Ala Cys Asn His
          155          160          165
Pro Ala Pro Lys Cys Gly Gly His Cys Pro Gly Gln Ala Gln Glu
          170          175          180
Ser Glu Ala Cys Asp Thr Gln Gln Val Cys Pro Met Asp Gly Glu
          185          190          195
Trp Asp Ser Trp Gly Glu Trp Ser Pro Cys Ile Arg Arg Asn Met
          200          205          210
Lys Ser Ile Ser Cys Gln Glu Ile Pro Gly Gln Gln Ser Arg Gly
          215          220          225
Arg Thr Cys Arg Gly Arg Lys Phe Asp Gly His Arg Cys Ala Gly
          230          235          240
Gln Gln Gln Asp Ile Arg His Cys Tyr Ser Ile Gln His Cys Pro
          245          250          255
Leu Lys Gly Ser Trp Ser Glu Trp Ser Thr Trp Gly Leu Cys Met
          260          265          270
Pro Pro Cys Gly Pro Asn Pro Thr Arg Ala Arg Gln Arg Leu Cys
          275          280          285
Thr Pro Leu Leu Pro Lys Tyr Pro Pro Thr Val Ser Met Val Glu
          290          295          300
Gly Gln Gly Glu Lys Asn Val Thr Phe Trp Gly Arg Pro Leu Pro
          305          310          315
Arg Cys Glu Glu Leu Gln Gly Gln Lys Leu Val Val Glu Glu Lys
          320          325          330
Arg Pro Cys Leu His Val Pro Ala Cys Lys Asp Pro Glu Glu Glu
          335          340          345
Glu Leu

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&lt;210&gt; 41

&lt;211&gt; 366

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7522915CD1

&lt;400&gt; 41

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His	Thr	Trp	Thr	Tyr	Arg	Glu	Glu	Pro	Gln	Asp	Gly	Asp	Arg	Glu
				35					40					45
Ile	Cys	Ser	Glu	Ser	Lys	Ile	Ala	Thr	Thr	Lys	Tyr	Pro	Cys	Leu
				50					55					60
Lys	Ser	Ser	Gly	Glu	Leu	Thr	Thr	Cys	Tyr	Arg	Lys	Lys	Cys	Cys
				65					70					75
Lys	Gly	Tyr	Lys	Phe	Val	Leu	Gly	Gln	Cys	Ile	Pro	Glu	Asp	Tyr
				80					85					90
Asp	Val	Cys	Ala	Glu	Ala	Pro	Cys	Glu	Gln	Gln	Cys	Thr	Asp	Asn
				95					100					105
Phe	Gly	Arg	Val	Leu	Cys	Thr	Cys	Tyr	Pro	Gly	Tyr	Arg	Tyr	Asp
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Arg	Glu	Arg	His	Arg	Lys	Arg	Glu	Lys	Pro	Tyr	Cys	Leu	Asp	Ile
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Asp	Glu	Cys	Ala	Ser	Ser	Asn	Gly	Thr	Leu	Cys	Ala	His	Ile	Cys
				140					145					150
Ile	Asn	Thr	Leu	Gly	Ser	Tyr	Arg	Cys	Glu	Cys	Arg	Glu	Gly	Tyr
				155					160					165
Ile	Arg	Glu	Asp	Asp	Gly	Lys	Thr	Cys	Thr	Arg	Gly	Asp	Lys	Tyr
				170					175					180
Pro	Asn	Asp	Thr	Gly	His	Glu	Lys	Ser	Glu	Asn	Met	Val	Lys	Ala
				185					190					195
Gly	Thr	Cys	Cys	Ala	Thr	Cys	Lys	Glu	Phe	Tyr	Gln	Met	Lys	Gln
				200					205					210
Thr	Val	Leu	Gln	Leu	Lys	Gln	Lys	Ile	Ala	Leu	Leu	Pro	Asn	Asn
				215					220					225
Ala	Ala	Asp	Leu	Gly	Lys	Tyr	Ile	Thr	Gly	Asp	Lys	Val	Leu	Ala
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Ser	Asn	Thr	Tyr	Leu	Pro	Gly	Pro	Pro	Gly	Leu	Pro	Gly	Gly	Gln
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Ser	Lys	Gly	Glu	Arg	Gly	Ala	Pro	Gly	Pro	Arg	Gly	Ser	Pro	Val
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Ser	Ser	Thr	Leu	Cys	Pro	Ala	Ser	Pro	Gly	Glu	Arg	Ser	Gln	Gly
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Cys	Ser	Ser	Asp	Glu	Pro	Ile	Gly	Thr	Pro	Trp	Phe	Phe	Arg	Leu
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<220>  
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 35 40 45  
 Gly Gly His Lys Ala Cys Cys Leu Leu Thr Pro Pro Pro Pro Pro  
 50 55 60  
 Leu Phe Pro Pro Pro Phe Phe Arg Gly Gly Arg Ser Pro Gly Pro  
 65 70 75  
 Pro Gly Leu Pro Gly Lys Thr Gly Pro Lys Gly Glu Lys Gly Glu  
 80 85 90  
 Leu Gly Arg Pro Gly Arg Lys Gly Arg Pro Gly Pro Pro Gly Val  
 95 100 105  
 Pro Gly Met Pro Gly Pro Ile Gly Trp Pro Gly Pro Glu Gly Pro  
 110 115 120  
 Arg Gly Glu Lys Gly Asp Gln Gly Met Met Gly Leu Pro Gly Ser  
 125 130 135  
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 Lys Gly Ser Arg Gly Glu Lys Gly Gly Leu Gly Pro Lys Gly Glu  
 155 160 165  
 Lys Gly Phe Pro Gly Phe Pro Gly Met Leu Gly Gln Lys Gly Gly  
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 Thr Gly Arg Pro Gly Lys Arg Gly Lys Gln Gly Gln Lys Gly Asp  
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 Ser Gly Val Met Gly Pro Pro Gly Lys Pro Gly Pro Ser Gly Gln  
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 <211> 4720  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7513225CB1

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&lt;210&gt; 44

&lt;211&gt; 6633

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513288CB1

&lt;400&gt; 44

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7513607CB1

&lt;400&gt; 45

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7513991CB1

&lt;400&gt; 46

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&lt;212&gt; DNA

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&lt;211&gt; 2320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7517764CB1

&lt;400&gt; 48

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<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7517774CB1

<400> 49

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<210> 50

<211> 1397

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7518133CB1

<400> 50

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<210> 51

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520147CB1

<400> 51

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<210> 52

<211> 1326

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520276CB1

<400> 52

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<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520808CB1

<400> 53

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&lt;210&gt; 54

&lt;211&gt; 776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520821CB1

&lt;400&gt; 54

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&lt;210&gt; 55

&lt;211&gt; 549

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520839CB1

&lt;400&gt; 55

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gacacaaga
549

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&lt;210&gt; 56

&lt;211&gt; 623

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520891CB1

&lt;400&gt; 56

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623

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&lt;210&gt; 57

&lt;211&gt; 1751

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7514645CB1

&lt;400&gt; 57

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<211> 3010

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7517776CB1

<400> 58

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&lt;223&gt; Incyte ID No: 7517783CB1

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&lt;211&gt; 1360

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7522607CB1

&lt;400&gt; 60

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<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7521142CB1

<400> 61

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<211> 1489

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7521689CB1

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&lt;211&gt; 3871

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 2878775CB1

&lt;400&gt; 63

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&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521207CB1

&lt;400&gt; 64

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<223> Incyte ID No: 7522210CB1

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<400> 67

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&lt;210&gt; 68

&lt;211&gt; 1321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519965CB1

&lt;400&gt; 68

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 <213> Homo sapiens

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&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520014CB1

&lt;400&gt; 71

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&lt;210&gt; 72

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;400&gt; 72

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&lt;210&gt; 73

&lt;211&gt; 831

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520053CB1

&lt;400&gt; 73

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&lt;210&gt; 74

&lt;211&gt; 888

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7523262CB1

&lt;400&gt; 74

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&lt;210&gt; 75

&lt;211&gt; 795

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7523270CB1

&lt;400&gt; 75

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795

&lt;210&gt; 76

&lt;211&gt; 1174

&lt;212&gt; DNA

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&lt;223&gt; Incyte ID No: 7523287CB1

&lt;400&gt; 76

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1174

&lt;210&gt; 77

&lt;211&gt; 1159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7521825CB1

&lt;400&gt; 77

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&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7521844CB1

&lt;400&gt; 78

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&lt;211&gt; 503

&lt;212&gt; DNA

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521864CB1

&lt;400&gt; 79

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<223> Incyte ID No: 7522020CB1

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<213> Homo sapiens

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<223> Incyte ID No: 758410CB1

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<210> 82

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&lt;223&gt; Incyte ID No: 7522915CB1

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